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OM protein - protein search, using sw model

Run on: August 2, 2005, 22:37:58 ; Search time 159 Seconds  
(without alignments)  
1090.412 Million cell updates/sec

Title: US-10-801-671-2  
Perfect score: 2410  
Sequence: 1 MCIPLEASHSVEDTHPSHY.....QRITLDEALQHPFDLLKKK 445

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 1745140 seqs, 389608008 residues

Total number of hits satisfying chosen parameters: 1745140

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

- Database : Published Applications AA:\*
- 1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*
  - 2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*
  - 3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*
  - 4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*
  - 5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*
  - 6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*
  - 7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep.\*
  - 8: /cgn2\_6/ptodata/1/pubpaa/US08\_PUBCOMB.pep.\*
  - 9: /cgn2\_6/ptodata/1/pubpaa/US09A\_PUBCOMB.pep.\*
  - 10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep.\*
  - 11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep.\*
  - 12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep.\*
  - 13: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep.\*
  - 14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep.\*
  - 15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*
  - 16: /cgn2\_6/ptodata/1/pubpaa/US10D\_PUBCOMB.pep.\*
  - 17: /cgn2\_6/ptodata/1/pubpaa/US10E\_PUBCOMB.pep.\*
  - 18: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*
  - 19: /cgn2\_6/ptodata/1/pubpaa/US11A\_PUBCOMB.pep.\*
  - 20: /cgn2\_6/ptodata/1/pubpaa/US11\_NEW\_PUB.pep.\*
  - 21: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*
  - 22: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	2410	100.0	445	9	US-09-810-671-2
2	2410	100.0	445	13	US-10-109-854-2
3	2410	100.0	445	14	US-10-339-656-2
4	2410	100.0	445	16	US-10-801-671-2
5	2315.5	96.1	481	15	US-10-267-502-352
6	2312	95.9	427	9	US-09-810-671-4
7	2312	95.9	427	13	US-10-109-854-4
8	2312	95.9	427	14	US-10-339-656-4
9	2312	95.9	427	16	US-10-801-671-4
10	2261.5	93.8	481	9	US-09-905-999-25
11	2261.5	93.8	481	15	US-10-267-502-355

12	2261.5	93.8	481	16	US-10-825-177-25	Sequence 25, Appl
13	1893	78.5	484	15	US-10-267-502-353	Sequence 353, App
14	1887	78.3	429	9	US-09-810-671-5	Sequence 5, Appl1
15	1887	78.3	429	13	US-10-109-854-5	Sequence 5, Appl1
16	1887	78.3	429	14	US-10-339-656-5	Sequence 5, Appl1
17	1887	78.3	429	16	US-10-801-671-5	Sequence 5, Appl1
18	1887	78.3	484	15	US-10-116-275-127	Sequence 127, App
19	1887	78.3	484	16	US-10-755-889-2	Sequence 20, Appl
20	1836	76.2	483	15	US-10-267-502-356	Sequence 356, App
21	1824	75.7	483	9	US-09-905-999-20	Sequence 20, Appl
22	1824	75.7	483	16	US-10-825-177-20	Sequence 20, Appl
23	1740	72.2	352	15	US-10-425-114-54366	Sequence 54366, A
24	1740	72.2	352	15	US-10-425-114-54510	Sequence 54510, A
25	1692	70.2	374	16	US-10-664-421-131	Sequence 131, App
26	1607	66.7	301	15	US-10-267-502-357	Sequence 357, App
27	1526	63.3	350	9	US-09-925-298-539	Sequence 539, App
28	1526	63.3	350	14	US-10-102-806-539	Sequence 539, App
29	1427.5	59.2	499	9	US-09-905-999-21	Sequence 21, Appl
30	1427.5	59.2	499	16	US-10-825-177-21	Sequence 21, Appl
31	1417	58.8	499	10	US-09-790-852-3	Sequence 3, Appl1
32	1417	58.8	499	16	US-10-737-450-132	Sequence 132, App
33	1417	58.8	499	16	US-10-723-860-2555	Sequence 2555, Ap
34	1322	54.9	638	15	US-10-104-047-2626	Sequence 2626, Ap
35	1317	54.6	490	15	US-10-267-502-351	Sequence 351, App
36	1310.5	54.4	431	15	US-10-182-243-48	Sequence 48, Appl
37	1310	54.4	490	9	US-09-905-999-23	Sequence 23, Appl
38	1310	54.4	490	15	US-10-267-502-354	Sequence 354, App
39	1310	54.4	490	16	US-10-825-177-23	Sequence 23, Appl
40	1296	53.8	484	15	US-10-425-114-56866	Sequence 56866, A
41	1252	52.0	341	15	US-10-267-502-350	Sequence 350, App
42	1246	51.7	417	15	US-10-108-260A-4699	Sequence 4699, Ap
43	1222	50.7	511	15	US-10-267-502-349	Sequence 349, App
44	1222	50.7	517	13	US-10-108-605-135	Sequence 135, App
45	859	35.6	212	15	US-10-425-114-54148	Sequence 54148, A

ALIGNMENTS

RESULT 1

US-09-810-671-2  
; Sequence 2, Application US/09810671  
; Publication No. US20020076783A1  
; GENERAL INFORMATION:  
; APPLICANT: YAN, Chunhua et al  
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC  
; ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES  
; THEREOF  
; TITLE OF INVENTION: THEREOF  
; FILE REFERENCE: CL000758  
; CURRENT APPLICATION NUMBER: US/09/810,671  
; CURRENT FILING DATE: 2001-06-08  
; NUMBER OF SEQ ID NOS: 5  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 2  
; LENGTH: 445  
; TYPE: PRT  
; ORGANISM: Human  
; US-09-810-671-2

Query Match	100.0%;	Score	2410;	DB	9;	Length	445;
Best Local Similarity	100.0%;	Pred. No.	2.1e-177;				
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Qy	1	MCIPLEASHSVEDTHPSHYLEARSLEARNERYDRYVDEYRNDYCEGYVPRHYHRDI	ESG	60			
Db	1	MCIPLEASHSVEDTHPSHYLEARSLEARNERYDRYVDEYRNDYCEGYVPRHYHRDI	ESG	60			
Qy	61	YRTHCSKSSVRSRRSPKRNPHCSHQSRSHSRKRSRSTEDDEEGHLICQSGDVL	R	120			
Db	61	YRTHCSKSSVRSRRSPKRNPHCSHQSRSHSRKRSRSTEDDEEGHLICQSGDVL	R	120			
Qy	121	ARVEIVDTLGEAGFGKVVCEIDHGMGMHVAVKIVKNGVRYREARSEIQVLEHNS	TDP	180			

Db	121	ARVEIVDTLGEAGFGKVVCEIDHGMGMHVAVKIVKNGRYREARSEIQVLEHLNSTDP	180
Qy	181	NSVFRVCQMLEWFDHGHVCIIVFELLGLSTYDFIKENSFLPFQIDHIROMAYQICQSINF	240
Db	181	NSVFRVCQMLEWFDHGHVCIIVFELLGLSTYDFIKENSFLPFQIDHIROMAYQICQSINF	240
Qy	241	LHNKLTHDLPENILFVKSIVYVKNYSKMSDERTLKNITDKVDPFGSATYDDEHST	300
Db	241	LHNKLTHDLPENILFVKSIVYVKNYSKMSDERTLKNITDKVDPFGSATYDDEHST	300
Qy	301	LVSTRHYRAPEVILALGWSQPCDVMSIGCILIEYVLGFTVFQTHDSKEHLAMMERILGPI	360
Db	301	LVSTRHYRAPEVILALGWSQPCDVMSIGCILIEYVLGFTVFQTHDSKEHLAMMERILGPI	360
Qy	361	PQMIQKTRKRYFHHNQLDWEHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLVRML	420
Db	361	PQMIQKTRKRYFHHNQLDWEHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLVRML	420
Qy	421	EYDPTQRIITLDEALQHPFFDLLKKK	445
Db	421	EYDPTQRIITLDEALQHPFFDLLKKK	445
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US-10-109-854-2			
; Sequence 2, Application US/10109854			
; Publication No. US20020119548A1			
; GENERAL INFORMATION:			
; APPLICANT: YAN, Chunhua et al.			
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC			
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES			
; TITLE OF INVENTION: THEREOF			
; FILE REFERENCE: CL000758DIV			
; CURRENT APPLICATION NUMBER: US/10/109,854			
; PRIOR FILING DATE: 2002-04-01			
; PRIOR FILING DATE: 2000-08-24			
; PRIOR APPLICATION NUMBER: 09/810,671			
; PRIOR FILING DATE: 2001-03-19			
; NUMBER OF SEQ ID NOS: 5			
; SOFTWARE: FastSeq for Windows Version 4.0			
; SEQ ID NO 2			
; LENGTH: 445			
; TYPE: PRT			
; ORGANISM: Homo sapien			
US-10-109-854-2			
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Best Local Similarity 100.0%; Pred. No. 2.1e-177;			
Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;			
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Db	1	MCIPLEASHSVEDTHPSHYLEARSINERDYDRRYVDEYRNDYCEGYVPRHYRDIESG	60
Qy	61	YRIHCKSSVRSRSPKRNHCHSCSHQSRKSHRRKRSRSDIEDDEGHILCQSGDVL	120
Db	61	YRIHCKSSVRSRSPKRNHCHSCSHQSRKSHRRKRSRSDIEDDEGHILCQSGDVL	120
Qy	121	ARVEIVDTLGEAGFGKVVCEIDHGMGMHVAVKIVKNGRYREARSEIQVLEHLNSTDP	180
Db	121	ARVEIVDTLGEAGFGKVVCEIDHGMGMHVAVKIVKNGRYREARSEIQVLEHLNSTDP	180
Qy	181	NSVFRVCQMLEWFDHGHVCIIVFELLGLSTYDFIKENSFLPFQIDHIROMAYQICQSINF	240
Db	181	NSVFRVCQMLEWFDHGHVCIIVFELLGLSTYDFIKENSFLPFQIDHIROMAYQICQSINF	240
Qy	241	LHNKLTHDLPENILFVKSIVYVKNYSKMSDERTLKNITDKVDPFGSATYDDEHST	300
Db	241	LHNKLTHDLPENILFVKSIVYVKNYSKMSDERTLKNITDKVDPFGSATYDDEHST	300
Qy	301	LVSTRHYRAPEVILALGWSQPCDVMSIGCILIEYVLGFTVFQTHDSKEHLAMMERILGPI	360
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Qy	361	PQMIQKTRKRYFHHNQLDWEHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLVRML	420
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Qy	421	EYDPTQRIITLDEALQHPFFDLLKKK	445
Db	421	EYDPTQRIITLDEALQHPFFDLLKKK	445
RESULT 3			
US-10-339-656-2			
; Sequence 2, Application US/10339656			
; Publication No. US20030134319A1			
; GENERAL INFORMATION:			
; APPLICANT: YAN, Chunhua et al.			
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC			
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES			
; TITLE OF INVENTION: THEREOF			
; FILE REFERENCE: CL000758DIV2			
; CURRENT APPLICATION NUMBER: US/10/339,656			
; PRIOR FILING DATE: 2003-01-10			
; PRIOR APPLICATION NUMBER: 10/109,854			
; PRIOR FILING DATE: 2002-04-01			
; PRIOR APPLICATION NUMBER: 09/810,671			
; PRIOR FILING DATE: 2001-03-19			
; PRIOR APPLICATION NUMBER: 60/227,470			
; PRIOR FILING DATE: 2000-08-24			
; NUMBER OF SEQ ID NOS: 5			
; SOFTWARE: FastSeq for Windows Version 4.0			
; SEQ ID NO 2			
; LENGTH: 445			
; TYPE: PRT			
; ORGANISM: Homo sapien			
US-10-339-656-2			
Query Match 100.0%; Score 2410; DB 14; Length 445;			
Best Local Similarity 100.0%; Pred. No. 2.1e-177;			
Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;			
Qy	1	MCIPLEASHSVEDTHPSHYLEARSINERDYDRRYVDEYRNDYCEGYVPRHYRDIESG	60
Db	1	MCIPLEASHSVEDTHPSHYLEARSINERDYDRRYVDEYRNDYCEGYVPRHYRDIESG	60
Qy	61	YRIHCKSSVRSRSPKRNHCHSCSHQSRKSHRRKRSRSDIEDDEGHILCQSGDVL	120
Db	61	YRIHCKSSVRSRSPKRNHCHSCSHQSRKSHRRKRSRSDIEDDEGHILCQSGDVL	120
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Db	121	ARVEIVDTLGEAGFGKVVCEIDHGMGMHVAVKIVKNGRYREARSEIQVLEHLNSTDP	180
Qy	181	NSVFRVCQMLEWFDHGHVCIIVFELLGLSTYDFIKENSFLPFQIDHIROMAYQICQSINF	240
Db	181	NSVFRVCQMLEWFDHGHVCIIVFELLGLSTYDFIKENSFLPFQIDHIROMAYQICQSINF	240
Qy	241	LHNKLTHDLPENILFVKSIVYVKNYSKMSDERTLKNITDKVDPFGSATYDDEHST	300
Db	241	LHNKLTHDLPENILFVKSIVYVKNYSKMSDERTLKNITDKVDPFGSATYDDEHST	300
Qy	301	LVSTRHYRAPEVILALGWSQPCDVMSIGCILIEYVLGFTVFQTHDSKEHLAMMERILGPI	360
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Qy	361	PQMIQKTRKRYFHHNQLDWEHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLVRML	420
Db	361	PQMIQKTRKRYFHHNQLDWEHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLVRML	420
Qy	421	EYDPTQRIITLDEALQHPFFDLLKKK	445
Db	421	EYDPTQRIITLDEALQHPFFDLLKKK	445

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RESULT 4
US-10-801-671-2
; Sequence 2, Application US/10801671
; Publication No. US20040152123A1
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL000758DIV-III
; CURRENT APPLICATION NUMBER: US/10/801,671
; CURRENT FILING DATE: 2004-03-17
; PRIOR APPLICATION NUMBER: 60/227,470
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: 09/810,671
; PRIOR FILING DATE: 2001-03-19
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 445
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-801-671-2

Query Match      100.0%; Score 2410; DB 16; Length 445;
Best Local Similarity 100.0%; Pred. No. 2.1e-177;
Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MCIPLEASHSVEEDTHPSHYLEARSLSNERDYDRYVDEYRNDYCEGYVPRHYRDI 60
Db 1 MCIPLEASHSVEEDTHPSHYLEARSLSNERDYDRYVDEYRNDYCEGYVPRHYRDI 60

Qy 61 YRTHCSKSSVRSRRSSPKRRNRHCSHQSRKSRSHRRKRKRSRSTEDDEEGLHC 120
Db 61 YRTHCSKSSVRSRRSSPKRRNRHCSHQSRKSRSHRRKRKRSRSTEDDEEGLHC 120

Qy 121 ARYEIVDTLGEAGFGKVEECIDHGMGMHVAVKIVKNGRYREARSEIQVLEHLNSTDP 180
Db 121 ARYEIVDTLGEAGFGKVEECIDHGMGMHVAVKIVKNGRYREARSEIQVLEHLNSTDP 180

Qy 181 NSVFRVCQMLEWFDHGHVCIIVPELLGLSTYDFIKENSLFQIDHIRMAYQICQINF 240
Db 181 NSVFRVCQMLEWFDHGHVCIIVPELLGLSTYDFIKENSLFQIDHIRMAYQICQINF 240

Qy 241 LHNNKLTHTDLKPNILFVKSDYVVKYNSKMKRDERTLKNITDIKVDFGSGATYDDEHST 300
Db 241 LHNNKLTHTDLKPNILFVKSDYVVKYNSKMKRDERTLKNITDIKVDFGSGATYDDEHST 300

Qy 301 LVSTRHYRAPEVILALGWSQPCDWSIGCILIEYILGFTVFQTHDSKEHLAMMERILGPI 360
Db 301 LVSTRHYRAPEVILALGWSQPCDWSIGCILIEYILGFTVFQTHDSKEHLAMMERILGPI 360

Qy 361 PQHMIQTRKRYFHHNQLDWEHSSAGRYVRRCKPLKEFMLCHDEBEKLFDLVRRML 420
Db 361 PQHMIQTRKRYFHHNQLDWEHSSAGRYVRRCKPLKEFMLCHDEBEKLFDLVRRML 420

Qy 421 EYDPTQRTITLDEALQHPFFDLKKK 445
Db 421 EYDPTQRTITLDEALQHPFFDLKKK 445

RESULT 5
US-10-267-502-352
; Sequence 352, Application US/10267502
; Publication No. US20040071700A1
; GENERAL INFORMATION:
; APPLICANT: Kim, Jaeseob
; APPLICANT: Galant, Ron
; TITLE OF INVENTION: Obesity Linked Genes
; FILE REFERENCE: LSD-07416
; CURRENT APPLICATION NUMBER: US/10/267,502
; CURRENT FILING DATE: 2003-01-27

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; NUMBER OF SEQ ID NOS: 439
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 352
; LENGTH: 481
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-267-502-352

Query Match      96.1%; Score 2315.5; DB 15; Length 481;
Best Local Similarity 96.2%; Pred. No. 4.5e-170;
Matches 432; Conservative 2; Mismatches 4; Indels 11; Gaps 2;

Qy 8 SH-SVEEDTH-----PSHYLEARSLSNERDYDRYVDEYRNDYCEGYVPRHYRDI 56
Db 33 SHSSTOENRHKPHQFKESSDCHYLEARSLSNERDYDRYVDEYRNDYCEGYVPRHYRDI 92

Qy 57 IESGYRTHCSKSSVRSRRSSPKRRNRHCSHQSRKSRSHRRKRKRSRSTEDDEEGLHC 116
Db 93 IESGYRTHCSKSSVRSRRSSPKRRNRHCSHQSRKSRSHRRKRKRSRSTEDDEEGLHC 152

Qy 117 DVLRYRYEIVDTLGEAGFGKVEECIDHGMGMHVAVKIVKNGRYREARSEIQVLEHLN 176
Db 153 DVLRYRYEIVDTLGEAGFGKVEECIDHGMGMHVAVKIVKNGRYREARSEIQVLEHLN 212

Qy 177 STDPNSVFRVCQMLEWFDHGHVCIIVPELLGLSTYDFIKENSLFQIDHIRMAYQICQ 236
Db 213 STDPNSVFRVCQMLEWFDHGHVCIIVPELLGLSTYDFIKENSLFQIDHIRMAYQICQ 272

Qy 237 SINFLHHNKLTHDLPENILFVKSDYVVKYNSKMKRDERTLKNITDIKVDFGSGATYDDE 296
Db 273 SINFLHHNKLTHDLPENILFVKSDYVVKYNSKMKRDERTLKNITDIKVDFGSGATYDDE 332

Qy 297 HHSTLVSTRHYRAPEVILALGWSQPCDWSIGCILIEYILGFTVFQTHDSKEHLAMMERI 356
Db 333 HHSTLVSTRHYRAPEVILALGWSQPCDWSIGCILIEYILGFTVFQTHDSKEHLAMMERI 392

Qy 357 LGPIQPMIQTTRKRYFHHNQLDWEHSSAGRYVRRCKPLKEFMLCHDEBEKLFDLV 416
Db 393 LGPIQPMIQTTRKRYFHHNQLDWEHSSAGRYVRRCKPLKEFMLCHDEBEKLFDLV 452

Qy 417 RRMLEYDPTQRTITLDEALQHPFFDLKKK 445
Db 453 RRMLEYDPTQRTITLDEALQHPFFDLKKK 481

RESULT 6
US-09-810-671-4
; Sequence 4, Application US/09810671
; Publication No. US20020076783A1
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL000758
; CURRENT APPLICATION NUMBER: US/09/810,671
; CURRENT FILING DATE: 2001-06-08
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 427
; TYPE: PRT
; ORGANISM: Human
US-09-810-671-4

Query Match      95.9%; Score 2312; DB 9; Length 427;
Best Local Similarity 100.0%; Pred. No. 7.3e-170;
Matches 427; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 19 HYLEARSLSNERDYDRYVDEYRNDYCEGYVPRHYRDI 78
Db 1 HYLEARSLSNERDYDRYVDEYRNDYCEGYVPRHYRDI 92

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QY 79 RKNRHCSSHQSRKSHRRKRSRSIEDDEGHLCQSGDVLRLARYEIVDTLGEAGFKV 138
Db 61 RKNRHCSSHQSRKSHRRKRSRSIEDDEGHLCQSGDVLRLARYEIVDTLGEAGFKV 120
QY 139 ECIDHGMDCGHVAVKIVKNVGRYREARSEIQVLEHLNSTDPNSVFCVQMLEWFDHGH 198
Db 121 ECIDHGMDCGHVAVKIVKNVGRYREARSEIQVLEHLNSTDPNSVFCVQMLEWFDHGH 180
QY 199 VCIVFELLGLSTYDFIKENSFLPFQIDHIRQWAYQICQINFLHNKLTHTDLPENILF 258
Db 181 VCIVFELLGLSTYDFIKENSFLPFQIDHIRQWAYQICQINFLHNKLTHTDLPENILF 240
QY 259 VKSDYVVKYNSKMKRDERLTKNNTDIKVVDGFSATYDDDEHSTLVSTRHYRAPEVILALGW 318
Db 241 VKSDYVVKYNSKMKRDERLTKNNTDIKVVDGFSATYDDDEHSTLVSTRHYRAPEVILALGW 300
QY 319 SPCDVMWSIGCILIEYVLGFTVFQTHDSKEHLAMMERILGPIPOHMIQKTRKRYFHHNQ 378
Db 301 SPCDVMWSIGCILIEYVLGFTVFQTHDSKEHLAMMERILGPIPOHMIQKTRKRYFHHNQ 360
QY 379 LDWDEHSSAGRYVRRCKPLKEPMLCHDEHEKLFDLVRMLDYDPTQRTITLDEALQHPF 438
Db 361 LDWDEHSSAGRYVRRCKPLKEPMLCHDEHEKLFDLVRMLDYDPTQRTITLDEALQHPF 420
QY 439 FDLKKK 445
Db 421 FDLKKK 427

RESULT 7
US-10-109-854-4
; Sequence 4, Application US/10109854
; Publication No. US20020119548A1
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; FILE REFERENCE: CL000758DIV
; CURRENT APPLICATION NUMBER: US/10/109,854
; PRIOR FILING DATE: 2002-04-01
; PRIOR FILING DATE: 2002-04-01
; PRIOR FILING DATE: 2001-03-19
; PRIOR FILING DATE: 2001-03-19
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 427
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-109-854-4

Query Match 95.9%; Score 2312; DB 13; Length 427;
Best Local Similarity 100.0%; Pred. No. 7.3e-170;
Matches 427; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 19 HYLEARSLNERDYRRYVDEYRNDYCEGYVPRHYRDIESGYRHCSSKSVRSRSPK 78
Db 1 HYLEARSLNERDYRRYVDEYRNDYCEGYVPRHYRDIESGYRHCSSKSVRSRSPK 60
QY 79 RKNRHCSSHQSRKSHRRKRSRSIEDDEGHLCQSGDVLRLARYEIVDTLGEAGFKV 138
Db 61 RKNRHCSSHQSRKSHRRKRSRSIEDDEGHLCQSGDVLRLARYEIVDTLGEAGFKV 120
QY 139 ECIDHGMDCGHVAVKIVKNVGRYREARSEIQVLEHLNSTDPNSVFCVQMLEWFDHGH 198
Db 121 ECIDHGMDCGHVAVKIVKNVGRYREARSEIQVLEHLNSTDPNSVFCVQMLEWFDHGH 180
QY 199 VCIVFELLGLSTYDFIKENSFLPFQIDHIRQWAYQICQINFLHNKLTHTDLPENILF 258
Db 181 VCIVFELLGLSTYDFIKENSFLPFQIDHIRQWAYQICQINFLHNKLTHTDLPENILF 240
QY 259 VKSDYVVKYNSKMKRDERLTKNNTDIKVVDGFSATYDDDEHSTLVSTRHYRAPEVILALGW 318
Db 241 VKSDYVVKYNSKMKRDERLTKNNTDIKVVDGFSATYDDDEHSTLVSTRHYRAPEVILALGW 300
QY 319 SPCDVMWSIGCILIEYVLGFTVFQTHDSKEHLAMMERILGPIPOHMIQKTRKRYFHHNQ 378
Db 301 SPCDVMWSIGCILIEYVLGFTVFQTHDSKEHLAMMERILGPIPOHMIQKTRKRYFHHNQ 360
QY 379 LDWDEHSSAGRYVRRCKPLKEPMLCHDEHEKLFDLVRMLDYDPTQRTITLDEALQHPF 438
Db 361 LDWDEHSSAGRYVRRCKPLKEPMLCHDEHEKLFDLVRMLDYDPTQRTITLDEALQHPF 420
QY 439 FDLKKK 445
Db 421 FDLKKK 427
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QY 259 VKSDYVVKYNSKMKRDERLTKNNTDIKVVDGFSATYDDDEHSTLVSTRHYRAPEVILALGW 318
Db 241 VKSDYVVKYNSKMKRDERLTKNNTDIKVVDGFSATYDDDEHSTLVSTRHYRAPEVILALGW 300
QY 319 SPCDVMWSIGCILIEYVLGFTVFQTHDSKEHLAMMERILGPIPOHMIQKTRKRYFHHNQ 378
Db 301 SPCDVMWSIGCILIEYVLGFTVFQTHDSKEHLAMMERILGPIPOHMIQKTRKRYFHHNQ 360
QY 379 LDWDEHSSAGRYVRRCKPLKEPMLCHDEHEKLFDLVRMLDYDPTQRTITLDEALQHPF 438
Db 361 LDWDEHSSAGRYVRRCKPLKEPMLCHDEHEKLFDLVRMLDYDPTQRTITLDEALQHPF 420
QY 439 FDLKKK 445
Db 421 FDLKKK 427

RESULT 8
US-10-339-656-4
; Sequence 4, Application US/10339656
; Publication No. US20030134319A1
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; FILE REFERENCE: CL000758DIV2
; CURRENT APPLICATION NUMBER: US/10/339,656
; PRIOR FILING DATE: 2003-01-10
; PRIOR FILING DATE: 2002-04-01
; PRIOR FILING DATE: 2001-03-19
; PRIOR FILING DATE: 2001-03-19
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 427
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-339-656-4

Query Match 95.9%; Score 2312; DB 14; Length 427;
Best Local Similarity 100.0%; Pred. No. 7.3e-170;
Matches 427; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 19 HYLEARSLNERDYRRYVDEYRNDYCEGYVPRHYRDIESGYRHCSSKSVRSRSPK 78
Db 1 HYLEARSLNERDYRRYVDEYRNDYCEGYVPRHYRDIESGYRHCSSKSVRSRSPK 60
QY 79 RKNRHCSSHQSRKSHRRKRSRSIEDDEGHLCQSGDVLRLARYEIVDTLGEAGFKV 138
Db 61 RKNRHCSSHQSRKSHRRKRSRSIEDDEGHLCQSGDVLRLARYEIVDTLGEAGFKV 120
QY 139 ECIDHGMDCGHVAVKIVKNVGRYREARSEIQVLEHLNSTDPNSVFCVQMLEWFDHGH 198
Db 121 ECIDHGMDCGHVAVKIVKNVGRYREARSEIQVLEHLNSTDPNSVFCVQMLEWFDHGH 180
QY 199 VCIVFELLGLSTYDFIKENSFLPFQIDHIRQWAYQICQINFLHNKLTHTDLPENILF 258
Db 181 VCIVFELLGLSTYDFIKENSFLPFQIDHIRQWAYQICQINFLHNKLTHTDLPENILF 240
QY 259 VKSDYVVKYNSKMKRDERLTKNNTDIKVVDGFSATYDDDEHSTLVSTRHYRAPEVILALGW 318
Db 241 VKSDYVVKYNSKMKRDERLTKNNTDIKVVDGFSATYDDDEHSTLVSTRHYRAPEVILALGW 300
QY 319 SPCDVMWSIGCILIEYVLGFTVFQTHDSKEHLAMMERILGPIPOHMIQKTRKRYFHHNQ 378
Db 301 SPCDVMWSIGCILIEYVLGFTVFQTHDSKEHLAMMERILGPIPOHMIQKTRKRYFHHNQ 360
QY 379 LDWDEHSSAGRYVRRCKPLKEPMLCHDEHEKLFDLVRMLDYDPTQRTITLDEALQHPF 438
Db 361 LDWDEHSSAGRYVRRCKPLKEPMLCHDEHEKLFDLVRMLDYDPTQRTITLDEALQHPF 420
QY 439 FDLKKK 445
Db 421 FDLKKK 427
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Db 361 LDWDEHSSAGRYVRRCKPLKEPMLCHDEBEHEKLFDLVRRMLEYDPTQRTLDALQHPF 420  
QY 439 FDLKKK 445  
Db 421 FDLKKK 427  
RESULT 9:  
US-10-801-671-4  
; Sequence 4, Application US/10801671  
; Publication No. US20040152123A1  
; GENERAL INFORMATION:  
; APPLICANT: YAN, Chunhua et al.  
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC  
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES  
; FILE REFERENCE: THEREOF  
; FILE REFERENCE: CL000758DIV-III  
; CURRENT APPLICATION NUMBER: US/10/801,671  
; PRIOR FILING DATE: 2004-03-17  
; PRIOR APPLICATION NUMBER: 60/227,470  
; PRIOR FILING DATE: 2000-08-24  
; PRIOR APPLICATION NUMBER: 09/810,671  
; PRIOR FILING DATE: 2001-03-19  
; NUMBER OF SEQ ID NOS: 5  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 4  
; LENGTH: 427  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-801-671-4

Query Match 95.9%; Score 2312; DB 16; Length 427;  
Best Local Similarity 100.0%; Pred. No. 7.3e-170;  
Matches 427; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 19 HYLEARSLNERDRYVDEYNDYCEGVVPRHYHREDIESGYRIHCKSSVSRSSPK 78  
Db 1 HYLEARSLNERDRYVDEYNDYCEGVVPRHYHREDIESGYRIHCKSSVSRSSPK 60  
QY 79 RKENRHCSSHQSRKSHRRKRSRSIEDDEEGHLICQSGDVLRYEIVDTLGGAGKVV 138  
Db 61 RKENRHCSSHQSRKSHRRKRSRSIEDDEEGHLICQSGDVLRYEIVDTLGGAGKVV 120  
QY 139 ECIDHGMGHHAVKIVKNGVRYEARESEIQVLEHLNSTDPNSVFCVQMLEWFDHGH 198  
Db 121 ECIDHGMGHHAVKIVKNGVRYEARESEIQVLEHLNSTDPNSVFCVQMLEWFDHGH 180  
QY 199 VCIVFELLGLSTYDFIKENSFLPFQIDHIRMAYQICQSFNLFHNKLTHTDLKPNILF 258  
Db 181 VCIVFELLGLSTYDFIKENSFLPFQIDHIRMAYQICQSFNLFHNKLTHTDLKPNILF 240  
QY 259 VKSDYVVKYNSKMKRDERTLKNTDIKVDFGSAFYDDEHSTLVSTRHYRAPEVILALGW 318  
Db 241 VKSDYVVKYNSKMKRDERTLKNTDIKVDFGSAFYDDEHSTLVSTRHYRAPEVILALGW 300  
QY 319 SQPCDVMSIGCILIEYVLGFTVFQTHDSKEHLAMMERILGPIPOHMIQTRKRYFHHNQ 378  
Db 301 SQPCDVMSIGCILIEYVLGFTVFQTHDSKEHLAMMERILGPIPOHMIQTRKRYFHHNQ 360  
QY 379 LDWDEHSSAGRYVRRCKPLKEPMLCHDEBEHEKLFDLVRRMLEYDPTQRTLDALQHPF 438  
Db 361 LDWDEHSSAGRYVRRCKPLKEPMLCHDEBEHEKLFDLVRRMLEYDPTQRTLDALQHPF 420  
QY 439 FDLKKK 445  
Db 421 FDLKKK 427

RESULT 10  
US-09-905-999-25  
; Sequence 25, Application US/09905999  
; Patent No. US2002010671A1  
; GENERAL INFORMATION:

; APPLICANT: ULLRICH, Axel  
; APPLICANT: NAYLER, Oliver  
; TITLE OF INVENTION: CLK PROTEIN KINASES AND RELATED PRODUCTS AND METHODS  
; FILE REFERENCE: 038602/0431  
; CURRENT APPLICATION NUMBER: US/09/905,999  
; CURRENT FILING DATE: 2001-07-17  
; PRIOR APPLICATION NUMBER: 09/127,248  
; PRIOR FILING DATE: 1999-07-31  
; PRIOR APPLICATION NUMBER: PCT/IB97/00946  
; PRIOR FILING DATE: 1997-06-17  
; PRIOR APPLICATION NUMBER: US 08/877,150  
; PRIOR FILING DATE: 1997-06-17  
; PRIOR APPLICATION NUMBER: US 60/034,286  
; PRIOR FILING DATE: 1996-12-19  
; NUMBER OF SEQ ID NOS: 26  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 25  
; LENGTH: 481  
; TYPE: PRT  
; ORGANISM: Mus musculus  
US-09-905-999-25  
Query Match 93.8%; Score 2261.5; DB 9; Length 481;  
Best Local Similarity 93.5%; Pred. No. 6.5e-166;  
Matches 420; Conservative 8; Mismatches 10; Indels 11; Gaps 2;  
QY 8 SH-SVEEDTH-----PSHYLEARSLNERDRYVDEYNDYCEGVVPRHYHRED 56  
Db 33 SHSSTQENRHCPRPHQFKDSCHYLEARCLNERDRYVDEYNDYCEGVVPRHYHRED 92  
QY 57 IESGYRIHCKSSVSRSSPKRKNRHCSSHQSRKSHRRKRSRSIEDDEEGHLICQSG 116  
Db 93 VESTYRIHCKSSVSRSSPKRKNRHCSSHQSRKSHRRKRSRSIEDDEEGHLICQSG 152  
QY 117 DVLRAEYIVDTLGECAFGKVECIDHGMGHHAVKIVKNGVRYEARESEIQVLEHLN 176  
Db 153 DVLRAEYIVDTLGECAFGKVECIDHGMGHHAVKIVKNGVRYEARESEIQVLEHLN 212  
QY 177 STDPNSVFCVQMLEWFDHGHGVCIVFELLGLSTYDFIKENSFLPFQIDHIRMAYQICQ 236  
Db 213 STDPNSVFCVQMLEWFDHGHGVCIVFELLGLSTYDFIKENSFLPFQIDHIRMAYQICQ 272  
QY 237 SINFLHNKLTHTDLKPNILFVKSDYVVKYNSKMKRDERTLKNTDIKVDFGSAFYDDE 296  
Db 273 SINFLHNKLTHTDLKPNILFVKSDYVVKYNSKMKRDERTLKNTDIKVDFGSAFYDDE 332  
QY 297 HSTLVSTRHYRAPEVILALGWSQPCDVMSIGCILIEYVLGFTVFQTHDSKEHLAMMERI 356  
Db 333 HSTLVSTRHYRAPEVILALGWSQPCDVMSIGCILIEYVLGFTVFQTHDSKEHLAMMERI 392  
QY 357 LGPIPOHMIQTRKRYFHHNQDWDHSSAGRYVRRCKPLKEPMLCHDEBEHEKLFDLV 416  
Db 393 LGPIPOHMIQTRKRYFHHNQDWDHSSAGRYVRRCKPLKEPMLCHDEBEHEKLFDLV 452  
QY 417 RMLEVDPTQRTLDALQHPFDLLKKK 445  
Db 453 RMLEVDPTQRTLDALQHPFDLLKKK 481  
RESULT 11  
US-10-267-502-355  
; Sequence 355, Application US/10267502  
; Publication No. US20040071700A1  
; GENERAL INFORMATION:  
; APPLICANT: Kim, Jaeseob  
; APPLICANT: Galant, Ron  
; TITLE OF INVENTION: Obesity Linked Genes  
; FILE REFERENCE: LSD-07416  
; CURRENT APPLICATION NUMBER: US/10/267,502  
; CURRENT FILING DATE: 2003-01-27  
; NUMBER OF SEQ ID NOS: 439  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 355

		Matches 420; Conservative 8; Mismatches 10; Indels 11; Gaps 2;	
QY	8 SH-SVEEDTH-----PSHYLEARSLSNERDYDRDRYVDEYRNDYCEGVPRHYHRD 56		
Db	33 SHSQTQENRHCKPHQKDSCHYLEARCLNERDYDRDRYIDEYRNDYCEGVPRHYHRD 92		
QY	57 IESGYRIHCSKSSVRSRRSPKRNHRHCSHQSRKSHRRKRSRSEDDEBEGHLICQSG 116		
Db	93 VESTYRIHCSKSSVRSRRSPKRNHRPCASHQSHKSHRRKRSRSEDDEBEGHLICQSG 152		
QY	117 DVLARYEIVDTLGEAGFGKVECIDHGMGMHVAVKIVKNVGRYREARSEIOVLEHLN 176		
Db	153 DVLARYEIVDTLGEAGFGKVECIDHGMGMHLVAVKIVKNVGRYREARSEIOVLEHLN 212		
QY	177 STDPSNFRVCQVQMLEWFDHGHGVCIVFELLGLSTYDFIKENSFLPFQIDHIRMAYQICQ 236		
Db	213 STDPSNFRVCQVQMLEWFDHGHGVCIVFELLGLSTYDFIKENSFLPFQIDHIRMAYQICQ 272		
QY	237 SINFLHNKLTHTDLPENILFVKSDYVVKYNSKMKRDERTLKNTDIKVDFGSGATYDDE 296		
Db	273 SINFLHNKLTHTDLPENILFVKSDYVVKYNSKMKRDERTLKNTDIKVDFGSGATYDDE 332		
QY	297 HNSTLVSTRHRAPEVILALGWSQPCDVMSIGCILIEYVLGFTVFTQTHDSKEHLAMMERI 356		
Db	333 HNSTLVSTRHRAPEVILALGWSQPCDVMSIGCILIEYVLGFTVFTQTHDSKEHLAMMERI 392		
QY	357 LGPIPOHMIQKTRKRYFHHNQDWDHSSAGRYVRRCKPLKEPMLCHDEBEHEKLFDLV 416		
Db	393 LGPIPAHMIQKTRKRYFHHNQDWDHSSAGRYVRRCKPLKEPMLCHDEBEHEKLFDLV 452		
QY	417 RRMLEYDPTQRTITLDEALQHPFFDLKKK 445		
Db	453 RRMLEYDPTQRTITLDEALQHPFFDLKKK 481		
RESULT 13			
US-10-267-502-353			
; Sequence 353, Application US/10267502			
; Publication No. US20040071700A1			
; GENERAL INFORMATION:			
; APPLICANT: Kim, Jaeseob			
; APPLICANT: Galant, Ron			
; TITLE OF INVENTION: Obesity Linked Genes			
; FILE REFERENCE: LSD-07416			
; CURRENT APPLICATION NUMBER: US/10/267,502			
; CURRENT FILING DATE: 2003-01-27			
; NUMBER OF SEQ ID NOS: 439			
; SOFTWARE: PatentIn version 3.2			
; SEQ ID NO 353			
; LENGTH: 484			
; TYPE: PRT			
; ORGANISM: Homo sapiens			
US-10-267-502-353			
Query Match		78.5%; Score 1893; DB 15; Length 484;	
Best Local Similarity		82.3%; Pred. No. 1.7e-137;	
Matches 353; Conservative 30; Mismatches 44; Indels 2; Gaps 2;			
QY	18 SHYLEARSLSNERDYDRDRYVDEYRNDYCEGVPRHYHRDIESGYRIHCSKSSVRSRRSP 77		
Db	54 SHYLESRSINEKDYHSRRYIDEYRNDYTCGCPGHRQDRDHSRYQNHSKSGRSGSSY 113		
QY	78 KRK-RNRHCSSH-QSRKSHRRKRSRSEDDEBEGHLICQSGDVLRYRYEIVDTLGEAGFG 135		
Db	114 KSKRIHHSSTSHRRSHGKSHRRKRSRSEDDEBEGHLICQSGDVLRYRYEIVDTLGEAGFG 173		
QY	136 KVVECIDHGMGMHVAVKIVKNVGRYREARSEIOVLEHLNSTDPNSFRVCQVQMLEWFDH 195		
Db	174 KVVECIDHKGGRHVAVKIVKNVDRYCEARSEIOVLEHLNTTDPNSTFRVCQVQMLEWFEH 233		
QY	196 HGVICIVFELLGLSTYDFIKENSFLPFQIDHIRMAYQICQSFNHLHNKLTHTDLPEN 255		
Db	234 HGHICIVFELLGLSTYDFIKENGFLPFLDHRKMKYQICKSVNHLHNKLTHTDLPEN 293		

		Matches 420; Conservative 8; Mismatches 10; Indels 11; Gaps 2;	
QY	8 SH-SVEEDTH-----PSHYLEARSLSNERDYDRDRYVDEYRNDYCEGVPRHYHRD 56		
Db	33 SHSQTQENRHCKPHQKDSCHYLEARCLNERDYDRDRYIDEYRNDYCEGVPRHYHRD 92		
QY	57 IESGYRIHCSKSSVRSRRSPKRNHRHCSHQSRKSHRRKRSRSEDDEBEGHLICQSG 116		
Db	93 VESTYRIHCSKSSVRSRRSPKRNHRPCASHQSHKSHRRKRSRSEDDEBEGHLICQSG 152		
QY	117 DVLARYEIVDTLGEAGFGKVECIDHGMGMHVAVKIVKNVGRYREARSEIOVLEHLN 176		
Db	153 DVLARYEIVDTLGEAGFGKVECIDHGMGMHLVAVKIVKNVGRYREARSEIOVLEHLN 212		
QY	177 STDPSNFRVCQVQMLEWFDHGHGVCIVFELLGLSTYDFIKENSFLPFQIDHIRMAYQICQ 236		
Db	213 STDPSNFRVCQVQMLEWFDHGHGVCIVFELLGLSTYDFIKENSFLPFQIDHIRMAYQICQ 272		
QY	237 SINFLHNKLTHTDLPENILFVKSDYVVKYNSKMKRDERTLKNTDIKVDFGSGATYDDE 296		
Db	273 SINFLHNKLTHTDLPENILFVKSDYVVKYNSKMKRDERTLKNTDIKVDFGSGATYDDE 332		
QY	297 HNSTLVSTRHRAPEVILALGWSQPCDVMSIGCILIEYVLGFTVFTQTHDSKEHLAMMERI 356		
Db	333 HNSTLVSTRHRAPEVILALGWSQPCDVMSIGCILIEYVLGFTVFTQTHDSKEHLAMMERI 392		
QY	357 LGPIPOHMIQKTRKRYFHHNQDWDHSSAGRYVRRCKPLKEPMLCHDEBEHEKLFDLV 416		
Db	393 LGPIPAHMIQKTRKRYFHHNQDWDHSSAGRYVRRCKPLKEPMLCHDEBEHEKLFDLV 452		
QY	417 RRMLEYDPTQRTITLDEALQHPFFDLKKK 445		
Db	453 RRMLEYDPTQRTITLDEALQHPFFDLKKK 481		
RESULT 12			
US-10-825-177-25			
; Sequence 25, Application US/10825177			
; Publication No. US20040259220A1			
; GENERAL INFORMATION:			
; APPLICANT: ULLRICH, Axel			
; APPLICANT: NAYLER, Oliver			
; TITLE OF INVENTION: CLK PROTEIN KINASES AND RELATED PRODUCTS AND METHODS			
; FILE REFERENCE: 038602/0431			
; CURRENT APPLICATION NUMBER: US/10/825,177			
; CURRENT FILING DATE: 2004-04-16			
; PRIOR APPLICATION NUMBER: US/09/905,999			
; PRIOR FILING DATE: 2001-07-17			
; PRIOR APPLICATION NUMBER: 09/127,248			
; PRIOR FILING DATE: 1999-07-31			
; PRIOR APPLICATION NUMBER: PCT/IB97/00946			
; PRIOR FILING DATE: 1997-06-17			
; PRIOR APPLICATION NUMBER: US 08/877,150			
; PRIOR FILING DATE: 1997-06-17			
; PRIOR APPLICATION NUMBER: US 60/034,286			
; PRIOR FILING DATE: 1996-12-19			
; NUMBER OF SEQ ID NOS: 26			
; SOFTWARE: PatentIn version 3.0			
; SEQ ID NO 25			
; LENGTH: 481			
; TYPE: PRT			
; ORGANISM: Mus musculus			
US-10-825-177-25			
Query Match		93.8%; Score 2261.5; DB 16; Length 481;	
Best Local Similarity		93.5%; Pred. No. 6.5e-166;	

Qy	256	ILFKVSDYVVKYNSKMKRDERTLKNTOIKVWDFGSATVDDBHHSTLVSTRHYRAPEVILA	315
		:       :	
Db	294	ILFVQSDDTEAYNPKIKRDERTLLINPOIKVWDFGSATVDDBHHSTLVSTRHYRAPEVILA	353
		:       :	
Qy	316	LGWSQPCDVMSIGCILIEYYLGFVFPTHDSKEHLAMMERILGPIPOHMIQKTBRKYFH	375
		:       :	
Db	354	LGWSQPCDVMSIGCILIEYYLGFVFPTHDSKEHLAMMERILGPLPKHMIQKTBRKYFH	413
		:       :	
Qy	376	HNQLDWDDEHSAGRYVRRRCKPLKEFMFLCDHEEKLFDLVRRLMLEYDPPTORITLDEALQ	435
		:       :	
Db	414	HDRLDWDDEHSAGRYVSRRCXPLKEFMLSQDVEHERLFDLIQOMLEYDPAKRITLREALK	473
		:       :	
Qy	436	HPFPDLLKK	444
Db	474	HPFPDLLKK	482

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RESULT 14
US-09-810-671-5
; Sequence 5, Application US/09810671
; Publication No. US20020076783A1
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL000758
; CURRENT APPLICATION NUMBER: US/09/810.671
; CURRENT FILING DATE: 2001-06-08
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 429
; TYPE: PRT
; ORGANISM: Human
US-09-810-671-5

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Search completed: August 2, 2005, 22:51:28  
Job time : 161 secs

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Db 361 PQHMIQTRKRYFHHNQLDWEHSSAGRYVRRCKPLKEFMLCHDEBEHEKLFDLVRRML 420  
QY 421 EYDPTQRTLDALQHPFFDLKKK 445  
Db 421 EYDPTQRTLDALQHPFFDLKKK 445

RESULT 2  
US-10-109-854-2  
; Sequence 2, Application US/10109854  
; Patent No. 6630337  
; GENERAL INFORMATION:  
; APPLICANT: YAN, Chunhua et al.  
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC  
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES  
; FILE REFERENCE: CL000758DIV  
; CURRENT APPLICATION NUMBER: US/10/109,854  
; PRIOR FILING DATE: 2002-04-01  
; PRIOR APPLICATION NUMBER: 60/227,470  
; PRIOR FILING DATE: 2000-08-24  
; PRIOR APPLICATION NUMBER: 09/810,671  
; PRIOR FILING DATE: 2001-03-19  
; NUMBER OF SEQ ID NOS: 5  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 2  
; LENGTH: 445  
; TYPE: PRT  
; ORGANISM: Homo sapien  
US-10-109-854-2

Query Match 100.0%; Score 2410; DB 4; Length 445;  
Best Local Similarity 100.0%; Pred. No. 5.9e-218;  
Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MCIPLEASHSVEEDTHPSHYLEARSLSNERDYRDRRYVDEYRNDYCEGYVPRHYHRDIESG 60  
Db 1 MCIPLEASHSVEEDTHPSHYLEARSLSNERDYRDRRYVDEYRNDYCEGYVPRHYHRDIESG 60

QY 61 YRIHCKSSVRSRSPKRNHCHSHQSRKSHRRKRSIEDDEEGHLICQSGDVL 120  
Db 61 YRIHCKSSVRSRSPKRNHCHSHQSRKSHRRKRSIEDDEEGHLICQSGDVL 120

QY 121 ARYEIVDTLGEAGFKVCEIDHGMGMHVAVKIVKNGRYREARSEIQVLEHLNSTDP 180  
Db 121 ARYEIVDTLGEAGFKVCEIDHGMGMHVAVKIVKNGRYREARSEIQVLEHLNSTDP 180

QY 181 NSVFRVCQMLEWFDDHGHGVCIVFELLGLSTYDFIKENSFLPFQIDHIRMAYQICQSINF 240  
Db 181 NSVFRVCQMLEWFDDHGHGVCIVFELLGLSTYDFIKENSFLPFQIDHIRMAYQICQSINF 240

QY 241 LHHNKLTHDLPENILFVKSQDYVVKYNSKMKRDETLKNTDIKVDFGSAFYDDEHHST 300  
Db 241 LHHNKLTHDLPENILFVKSQDYVVKYNSKMKRDETLKNTDIKVDFGSAFYDDEHHST 300

QY 301 LVSTRHYRAPEVILALGWSQPCDVMSIGCILIEYLGFTVFTQTHDSKEHLAMMERILGPI 360  
Db 301 LVSTRHYRAPEVILALGWSQPCDVMSIGCILIEYLGFTVFTQTHDSKEHLAMMERILGPI 360

QY 361 PQHMIQTRKRYFHHNQLDWEHSSAGRYVRRCKPLKEFMLCHDEBEHEKLFDLVRRML 420  
Db 361 PQHMIQTRKRYFHHNQLDWEHSSAGRYVRRCKPLKEFMLCHDEBEHEKLFDLVRRML 420

QY 421 EYDPTQRTLDALQHPFFDLKKK 445  
Db 421 EYDPTQRTLDALQHPFFDLKKK 445

RESULT 3  
US-10-139-656-2  
; Sequence 2, Application US/10339656  
; Patent No. 6733978  
; GENERAL INFORMATION:  
; APPLICANT: YAN, Chunhua et al.  
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC  
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES  
; FILE REFERENCE: CL000758  
; CURRENT APPLICATION NUMBER: US/09/810,671  
; PRIOR FILING DATE: 2001-06-08  
; NUMBER OF SEQ ID NOS: 5  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 4

; APPLICANT: YAN, Chunhua et al.  
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC  
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES  
; FILE REFERENCE: CL000758DIV2  
; CURRENT APPLICATION NUMBER: US/10/339,656  
; CURRENT FILING DATE: 2003-01-10  
; PRIOR APPLICATION NUMBER: 10/109,854  
; PRIOR FILING DATE: 2002-04-01  
; PRIOR APPLICATION NUMBER: 09/810,671  
; PRIOR FILING DATE: 2001-03-19  
; PRIOR APPLICATION NUMBER: 60/227,470  
; PRIOR FILING DATE: 2000-08-24  
; NUMBER OF SEQ ID NOS: 5  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 2  
; LENGTH: 445  
; TYPE: PRT  
; ORGANISM: Homo sapien  
US-10-339-656-2

Query Match 100.0%; Score 2410; DB 4; Length 445;  
Best Local Similarity 100.0%; Pred. No. 5.9e-218;  
Matches 445; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MCIPLEASHSVEEDTHPSHYLEARSLSNERDYRDRRYVDEYRNDYCEGYVPRHYHRDIESG 60  
Db 1 MCIPLEASHSVEEDTHPSHYLEARSLSNERDYRDRRYVDEYRNDYCEGYVPRHYHRDIESG 60

QY 61 YRIHCKSSVRSRSPKRNHCHSHQSRKSHRRKRSIEDDEEGHLICQSGDVL 120  
Db 61 YRIHCKSSVRSRSPKRNHCHSHQSRKSHRRKRSIEDDEEGHLICQSGDVL 120

QY 121 ARYEIVDTLGEAGFKVCEIDHGMGMHVAVKIVKNGRYREARSEIQVLEHLNSTDP 180  
Db 121 ARYEIVDTLGEAGFKVCEIDHGMGMHVAVKIVKNGRYREARSEIQVLEHLNSTDP 180

QY 181 NSVFRVCQMLEWFDDHGHGVCIVFELLGLSTYDFIKENSFLPFQIDHIRMAYQICQSINF 240  
Db 181 NSVFRVCQMLEWFDDHGHGVCIVFELLGLSTYDFIKENSFLPFQIDHIRMAYQICQSINF 240

QY 241 LHHNKLTHDLPENILFVKSQDYVVKYNSKMKRDETLKNTDIKVDFGSAFYDDEHHST 300  
Db 241 LHHNKLTHDLPENILFVKSQDYVVKYNSKMKRDETLKNTDIKVDFGSAFYDDEHHST 300

QY 301 LVSTRHYRAPEVILALGWSQPCDVMSIGCILIEYLGFTVFTQTHDSKEHLAMMERILGPI 360  
Db 301 LVSTRHYRAPEVILALGWSQPCDVMSIGCILIEYLGFTVFTQTHDSKEHLAMMERILGPI 360

QY 361 PQHMIQTRKRYFHHNQLDWEHSSAGRYVRRCKPLKEFMLCHDEBEHEKLFDLVRRML 420  
Db 361 PQHMIQTRKRYFHHNQLDWEHSSAGRYVRRCKPLKEFMLCHDEBEHEKLFDLVRRML 420

QY 421 EYDPTQRTLDALQHPFFDLKKK 445  
Db 421 EYDPTQRTLDALQHPFFDLKKK 445

RESULT 4  
US-09-810-671-4  
; Sequence 4, Application US/09810671  
; Patent No. 6455291  
; GENERAL INFORMATION:  
; APPLICANT: YAN, Chunhua et al.  
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC  
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES  
; FILE REFERENCE: CL000758  
; CURRENT APPLICATION NUMBER: US/09/810,671  
; PRIOR FILING DATE: 2001-06-08  
; NUMBER OF SEQ ID NOS: 5  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 4

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; LENGTH: 427
; TYPE: PRT
; ORGANISM: Human
US-09-810-671-4

Query Match          95.9%; Score 2312; DB 4; Length 427;
Best Local Similarity 100.0%; Pred. No. 9.1e-209;
Matches 427; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 19 HYLEARSLNERDYRDRYVDEYNDYCEGVPRHYHRDIESGYRIHCKSSVRSRSPK 78
Db 1 HYLEARSLNERDYRDRYVDEYNDYCEGVPRHYHRDIESGYRIHCKSSVRSRSPK 60

Qy 79 RKNRHCSHQSRKSHRRKRKRSIEDDEGHLCQSGDVLRYRARIYVDTLGEAGFKV 138
Db 61 RKNRHCSHQSRKSHRRKRKRSIEDDEGHLCQSGDVLRYRARIYVDTLGEAGFKV 120

Qy 139 ECIDHGMGDMHVAVKIVKNGRYREARSEIQVLEHLNSTDPNSVPRCVOMLEWFDHGH 198
Db 121 ECIDHGMGDMHVAVKIVKNGRYREARSEIQVLEHLNSTDPNSVPRCVOMLEWFDHGH 180

Qy 199 VCIVFELLGLSTYDFIKENSFLPFQIDHIRMAYQICQSFNHLHNNKLTHTDLKPENILF 258
Db 181 VCIVFELLGLSTYDFIKENSFLPFQIDHIRMAYQICQSFNHLHNNKLTHTDLKPENILF 240

Qy 259 VKSDYVVKNSKMKRDBERTLKNITDIKVDFGSATYDDEHSTLSTVSTRHYRAPEVILALGW 318
Db 241 VKSDYVVKNSKMKRDBERTLKNITDIKVDFGSATYDDEHSTLSTVSTRHYRAPEVILALGW 300

Qy 319 SQPCDWSIGCIIIEYVLTFTQTHDSKEHLAMMERILGPIQHMIOKTRKRYFHHNQ 378
Db 301 SQPCDWSIGCIIIEYVLTFTQTHDSKEHLAMMERILGPIQHMIOKTRKRYFHHNQ 360

Qy 379 LDWDEHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLVRMLDYDPTQRTITLDEALQHPF 438
Db 361 LDWDEHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLVRMLDYDPTQRTITLDEALQHPF 420

Qy 439 FDLKKK 445
Db 421 FDLKKK 427

RESULT 6
US-10-339-656-4
; Sequence 4, Application US/10339656
; Patent No. 6733978
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USBS
; FILE REFERENCE: CL000758DIV2
; CURRENT APPLICATION NUMBER: US/10/339,656
; CURRENT FILING DATE: 2003-01-10
; PRIOR APPLICATION NUMBER: 10/109,854
; PRIOR FILING DATE: 2002-04-01
; PRIOR APPLICATION NUMBER: 09/810,671
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/227,470
; PRIOR FILING DATE: 2000-08-24
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 427
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-339-656-4

Query Match          95.9%; Score 2312; DB 4; Length 427;
Best Local Similarity 100.0%; Pred. No. 9.1e-209;
Matches 427; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 19 HYLEARSLNERDYRDRYVDEYNDYCEGVPRHYHRDIESGYRIHCKSSVRSRSPK 78
Db 1 HYLEARSLNERDYRDRYVDEYNDYCEGVPRHYHRDIESGYRIHCKSSVRSRSPK 60

Qy 79 RKNRHCSHQSRKSHRRKRKRSIEDDEGHLCQSGDVLRYRARIYVDTLGEAGFKV 138
Db 61 RKNRHCSHQSRKSHRRKRKRSIEDDEGHLCQSGDVLRYRARIYVDTLGEAGFKV 120

Qy 139 ECIDHGMGDMHVAVKIVKNGRYREARSEIQVLEHLNSTDPNSVPRCVOMLEWFDHGH 198
Db 121 ECIDHGMGDMHVAVKIVKNGRYREARSEIQVLEHLNSTDPNSVPRCVOMLEWFDHGH 180

Qy 199 VCIVFELLGLSTYDFIKENSFLPFQIDHIRMAYQICQSFNHLHNNKLTHTDLKPENILF 258
Db 181 VCIVFELLGLSTYDFIKENSFLPFQIDHIRMAYQICQSFNHLHNNKLTHTDLKPENILF 240

Qy 259 VKSDYVVKNSKMKRDBERTLKNITDIKVDFGSATYDDEHSTLSTVSTRHYRAPEVILALGW 318
Db 241 VKSDYVVKNSKMKRDBERTLKNITDIKVDFGSATYDDEHSTLSTVSTRHYRAPEVILALGW 300

Qy 319 SQPCDWSIGCIIIEYVLTFTQTHDSKEHLAMMERILGPIQHMIOKTRKRYFHHNQ 378
Db 301 SQPCDWSIGCIIIEYVLTFTQTHDSKEHLAMMERILGPIQHMIOKTRKRYFHHNQ 360

Qy 379 LDWDEHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLVRMLDYDPTQRTITLDEALQHPF 438
Db 361 LDWDEHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLVRMLDYDPTQRTITLDEALQHPF 420

Qy 439 FDLKKK 445
Db 421 FDLKKK 427

RESULT 5
US-10-109-854-4
; Sequence 4, Application US/10109854
; Patent No. 6630337
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: CL000758DIV
; CURRENT APPLICATION NUMBER: US/10/109,854
; CURRENT FILING DATE: 2002-04-01
; PRIOR APPLICATION NUMBER: 60/227,470
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: 09/810,671
; PRIOR FILING DATE: 2001-03-19
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 427
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-109-854-4

Query Match          95.9%; Score 2312; DB 4; Length 427;
Best Local Similarity 100.0%; Pred. No. 9.1e-209;
Matches 427; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 19 HYLEARSLNERDYRDRYVDEYNDYCEGVPRHYHRDIESGYRIHCKSSVRSRSPK 78
Db 1 HYLEARSLNERDYRDRYVDEYNDYCEGVPRHYHRDIESGYRIHCKSSVRSRSPK 60
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Db      181 VCIVFELGLSYDIFKENSFLPFQIDHIRQWYQICQSNFLHNKLTHTDLKPENILF 240
QY      259 VKSDYVVKYNSKMKRDERTLKNWTDIKVVDVFGSATYDDDEHSHSTLVSTRHYRAPEVILALGW 318
Db      241 VKSDYVVKYNSKMKRDERTLKNWTDIKVVDVFGSATYDDDEHSHSTLVSTRHYRAPEVILALGW 300
QY      319 SQPCDWSIGCTLIIEYILGFTVFOHDSKEHLAMMERILGPIPOHMIQKTRKRYFHNQ 378
Db      301 SQPCDWSIGCTLIIEYILGFTVFOHDSKEHLAMMERILGPIPOHMIQKTRKRYFHNQ 360
QY      379 LDWDEHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLVRRMLEYDPTQRTITLDEALQHPF 438
Db      361 LDWDEHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLVRRMLEYDPTQRTITLDEALQHPF 420
QY      439 FDLKKK 445
Db      421 FDLKKK 427

RESULT 7
US-09-905-999-25
; Sequence 25, Application US/09905999
; Patent No. 6797513
; GENERAL INFORMATION:
; APPLICANT: ULLRICH, Axel
; TITLE OF INVENTION: CLK PROTEIN KINASES AND RELATED PRODUCTS AND METHODS
; FILE REFERENCE: 038602/0431
; CURRENT APPLICATION NUMBER: US/09/905,999
; CURRENT FILING DATE: 2001-07-17
; PRIOR FILING DATE: 1999-07-31
; PRIOR APPLICATION NUMBER: 09/127,248
; PRIOR FILING DATE: 1997-06-17
; PRIOR APPLICATION NUMBER: PCT/IB97/00946
; PRIOR FILING DATE: 1997-06-17
; PRIOR APPLICATION NUMBER: US 08/877,150
; PRIOR FILING DATE: 1997-06-17
; PRIOR APPLICATION NUMBER: US 60/034,286
; PRIOR FILING DATE: 1996-12-19
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 25
; LENGTH: 481
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-905-999-25

Query Match      93.8%; Score 2261.5; DB 4; Length 481;
Best Local Similarity 93.5%; Pred. No. 6e-204;
Matches 420; Conservative 8; Mismatches 10; Indels 11; Gaps 2;

QY      8 SH-SVEEDTH-----PSHYLEARSINERDYDRRYYVDEYRNDYCEGYVPRHYHRD 56
Db      33 SHSTQENRCKPHQKSDCHYLEARCLNERDYDRRYYVDEYRNDYCEGYVPRHYHRD 92
QY      57 IESGYRIHCKSSVRSRRSPKRRNRCSSHQSRKSHRRKRSIEDDEEGLHCQSG 116
Db      93 VESTYRIHCKSSVRSRRSPKRRNRCPCASHQSHSKSHRRKRSIEDDEEGLHCQSG 152
QY      117 DVLRARVEIVDTLGEAGFGKVEICIDHGMGMHVAVKIVKNGVRYREAAARSEIQLVLEHLN 176
Db      153 DVLRARVEIVDTLGEAGFGKVEICIDHGMGMGLHVAVKIVKNGVRYREAAARSEIQLVLEHLN 212
QY      177 STDNSVFRVCQMLEWFDHGHVCI VPELLGLSTYDFIKENSFLPFQIDHIRQWYQICQ 236
Db      213 STDNSVFRVCQMLEWFDHGHVCI VPELLGLSTYDFIKENSFLPFQIDHIRQWYQICQ 272
QY      237 SINFLHNKLTHTDLKPENILFVKSDYVVKYNSKMKRDERTLKNWTDIKVVDVFGSATYDDE 296
Db      273 SINFLHNKLTHTDLKPENILFVKSDYVVKYNSKMKRDERTLKNWTDIKVVDVFGSATYDDE 332
QY      297 HHSTLVSTRHYRAPEVILALGWSQPCDWSIGCTLIIEYILGFTVFOHDSKEHLAMMERI 356

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Db      333 HHSTLVSTRHYRAPEVILALGWSQPCDWSIGCTLIIEYILGFTVFOHDSKEHLAMMERI 392
QY      357 LGPIPOHMIQKTRKRYFHNQNDWDEHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLV 416
Db      393 LGPIPAHMIQKTRKRYFHNQNDWDEHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLV 452
QY      417 RRMLEYDPTQRTITLDEALQHPFFDLKKK 445
Db      453 RRMLEYDPAARRITLDEALQHPFFDLKKRK 481

RESULT 8
US-09-016-000-3
; Sequence 3, Application US/09016000
; Patent No. 5962232
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Lal, Preeti
; APPLICANT: Bandman, Olga
; APPLICANT: Akerblom, Ingrid E.
; APPLICANT: Shah, Purvi
; APPLICANT: Corley, Neil C.
; APPLICANT: Guegler, Karl G.
; TITLE OF INVENTION: PROTEIN KINASE MOLECULES
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,000
; FILING DATE: HERewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0465 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 451 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: NEUTFMT01
; CLONE: 339963
US-09-016-000-3

Query Match      87.9%; Score 2117.5; DB 2; Length 451;
Best Local Similarity 88.9%; Pred. No. 1.9e-190;
Matches 399; Conservative 3; Mismatches 6; Indels 41; Gaps 3;

QY      8 SH-SVEEDTH-----PSHYLEARSINERDYDRRYYVDEYRNDYCEGYVPRHYHRD 56
Db      33 SHSTQENRCKPHQKSDCHYLEARCLNERDYDRRYYVDEYRNDYCEGYVPRHYHRD 92
QY      57 IESGYRIHCKSSVRSRRSPKRRNRCSSHQSRKSHRRKRSIEDDEEGLHCQSG 116

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Db 93 IESGYRIHCSKSVSRSSRPKRNRHCSHSRS----- 128  
QY 117 DVLARAYEIVDTLGEAGFKVCEIDHGMGMHVAKIVKNGRYREARSEIQVLEHLN 176  
Db 129 -----MKSVDTLGEAGFKVCEIDHGMGMHVAKIVKNGRYREARSEIQVLEHLN 182  
QY 177 STDPNSVRCVQMLEFDDHHGHVCIIVPELLGLSTYDFIKENSFLPQIDHIROMAYQICQ 236  
Db 183 STDPNSVRCVQMLEFDDHHGHVCIIVPELLGLSTYDFIKENSFLPQIDHIROMAYQICQ 242  
QY 237 SINFLHKNLTHTDLPENILFVKSDYVVKYNSKMRDERTLKNITDKVDFGSATYDDE 296  
Db 243 SINFLHKNLTHTDLPENILFVKSDYVVKYNSKMRDERTLKNITDKVDFGSATYDDE 302  
QY 297 HHSTLVSTRHYRAPEVILALGWSQPCDVMSIGCILIEYILGFTVFQTHDSKEHLAMMERI 356  
Db 303 HHSTLVSTRHYRAPEVILALGWSQPCDVMSIGCILIEYILGFTVFQTHDSKEHLAMMERI 362  
QY 357 LGPIPOHMIQTRKRYFHHNQLDWDHSHSAGRYVRRCKPLKEFMLCHDEEHEKLFDLV 416  
Db 363 LGPIPOHMIQTRKRYFHHNQLDWDHSHSAGRYVRRCKPLKEFMLCHDEEHEKLFDLV 422  
QY 417 RRMLEYDPTQITLDEALQHPFDLLKK 445  
Db 423 RRMLEYDPTQITLDEALQHPFDLLKK 451

RESULT 9  
US-09-810-671-5  
; Sequence 5, Application US/09810671  
; Patent No. 6455291  
; GENERAL INFORMATION:  
; APPLICANT: YAN, Chunhua et al  
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC  
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES  
; FILE REFERENCES: CL000758  
; CURRENT APPLICATION NUMBER: US/09/810,671  
; CURRENT FILING DATE: 2001-06-08  
; NUMBER OF SEQ ID NOS: 5  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 5  
; LENGTH: 429  
; TYPE: PRT  
; ORGANISM: Human  
US-09-810-671-5

Query Match 78.3%; Score 1887; DB 4; Length 429;  
Best Local Similarity 82.1%; Pred. No. 7.9e-169;  
Matches 352; Conservative 30; Mismatches 45; Indels 2; Gaps 2;  
QY 18 SHYLEARSINERDYYRDRYVDEYRNDYCEGYVPRHYHRDIESGYRIHCSKSVSRSSRP 77  
Db 1 SHYLESRSINEKDYHSRRYIDEYRNDYTQCEPGRQDRHESRYQNHSSKSSGRSSY 60  
QY 78 KRK-RNRHCSSH-QSRKSHRRKRSRSDIEDDEGHILICQSGDVLRYARYEIVDTLGEAGF 135  
Db 61 KSKHRIHSTSHRRSHGSHRRKRTSRVEDDEGHILICQSGDVLRYARYEIVDTLGEAGF 120  
QY 136 KVECIDHGMGMHVAKIVKNGRYREARSEIQVLEHLNSTDPNSVRCVQMLEFDDH 195  
Db 121 KVECIDHKGAGRHVAKIVKNDYCEAARSISQVLEHLNTTDPNSTPRCVQMLEFHEH 180  
QY 196 HGHVCTVPELLGLSTYDFIKENSFLPQIDHIROMAYQICQSNFLHKNLTHTDLPEN 255  
Db 181 HGHICIVPELLGLSTYDFIKENGFLPRLDHIKMAQYICKSVNFLHKNLTHTDLPEN 240  
QY 256 ILPVKSDYVVKYNSKMRDERTLKNITDKVDFGSATYDDEHSTLVSTRHYRAPEVILA 315  
Db 241 ILPVQSDYTEAYNPVKIKRDETLINPDIKVVDFGSATYDDEHSTLVSTRHYRAPEVILA 300  
QY 316 KVECIDHGMGMHVAKIVKNGRYREARSEIQVLEHLNSTDPNSVRCVQMLEFDDH 195  
Db 121 KVECIDHKGAGRHVAKIVKNDYCEAARSISQVLEHLNTTDPNSTPRCVQMLEFHEH 180  
QY 196 HGHVCTVPELLGLSTYDFIKENSFLPQIDHIROMAYQICQSNFLHKNLTHTDLPEN 255  
Db 181 HGHICIVPELLGLSTYDFIKENGFLPRLDHIKMAQYICKSVNFLHKNLTHTDLPEN 240  
QY 256 ILPVKSDYVVKYNSKMRDERTLKNITDKVDFGSATYDDEHSTLVSTRHYRAPEVILA 315  
Db 241 ILPVQSDYTEAYNPVKIKRDETLINPDIKVVDFGSATYDDEHSTLVSTRHYRAPEVILA 300  
QY 316 LGWSQPCDVMSIGCILIEYILGFTVFQTHDSKEHLAMMERILGPIPOHMIQTRKRYFH 375

RESULT 11

Db 301 LGWSQPCDVMSIGCILIEYILGFTVFQTHDSKEHLAMMERILGPIPOHMIQTRKRYFH 360  
QY 376 HNQLDWDHSHSAGRYVRRCKPLKEFMLCHDEEHEKLFOLVRRMLEYDPTQITLDEALQ 435  
Db 361 HDRLDWDHSHSAGRYVSRACKPLKEFMLSQDVEHERLFDLIQKMLEYDPAKRITLREALK 420  
QY 436 HPFFDLKK 444  
Db 421 HPFFDLKK 429

RESULT 10  
US-10-109-854-5  
; Sequence 5, Application US/10109854  
; Patent No. 6630337  
; GENERAL INFORMATION:  
; APPLICANT: YAN, Chunhua et al  
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC  
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES  
; FILE REFERENCES: CL000758DIV  
; CURRENT APPLICATION NUMBER: US/10/109,854  
; CURRENT FILING DATE: 2002-04-01  
; PRIOR APPLICATION NUMBER: 60/227,470  
; PRIOR FILING DATE: 2000-08-24  
; PRIOR APPLICATION NUMBER: 09/810,671  
; PRIOR FILING DATE: 2001-03-19  
; NUMBER OF SEQ ID NOS: 5  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 5  
; LENGTH: 429  
; TYPE: PRT  
; ORGANISM: Homo sapien  
US-10-109-854-5

Query Match 78.3%; Score 1887; DB 4; Length 429;  
Best Local Similarity 82.1%; Pred. No. 7.9e-169;  
Matches 352; Conservative 30; Mismatches 45; Indels 2; Gaps 2;  
QY 18 SHYLEARSINERDYYRDRYVDEYRNDYCEGYVPRHYHRDIESGYRIHCSKSVSRSSRP 77  
Db 1 SHYLESRSINEKDYHSRRYIDEYRNDYTQCEPGRQDRHESRYQNHSSKSSGRSSY 60  
QY 78 KRK-RNRHCSSH-QSRKSHRRKRSRSDIEDDEGHILICQSGDVLRYARYEIVDTLGEAGF 135  
Db 61 KSKHRIHSTSHRRSHGSHRRKRTSRVEDDEGHILICQSGDVLRYARYEIVDTLGEAGF 120  
QY 136 KVECIDHGMGMHVAKIVKNGRYREARSEIQVLEHLNSTDPNSVRCVQMLEFDDH 195  
Db 121 KVECIDHKGAGRHVAKIVKNDYCEAARSISQVLEHLNTTDPNSTPRCVQMLEFHEH 180  
QY 196 HGHVCTVPELLGLSTYDFIKENSFLPQIDHIROMAYQICQSNFLHKNLTHTDLPEN 255  
Db 181 HGHICIVPELLGLSTYDFIKENGFLPRLDHIKMAQYICKSVNFLHKNLTHTDLPEN 240  
QY 256 ILPVKSDYVVKYNSKMRDERTLKNITDKVDFGSATYDDEHSTLVSTRHYRAPEVILA 315  
Db 241 ILPVQSDYTEAYNPVKIKRDETLINPDIKVVDFGSATYDDEHSTLVSTRHYRAPEVILA 300  
QY 316 LGWSQPCDVMSIGCILIEYILGFTVFQTHDSKEHLAMMERILGPIPOHMIQTRKRYFH 375  
Db 301 LGWSQPCDVMSIGCILIEYILGFTVFQTHDSKEHLAMMERILGPIPOHMIQTRKRYFH 360  
QY 376 HNQLDWDHSHSAGRYVRRCKPLKEFMLCHDEEHEKLFOLVRRMLEYDPTQITLDEALQ 435  
Db 361 HDRLDWDHSHSAGRYVSRACKPLKEFMLSQDVEHERLFDLIQKMLEYDPAKRITLREALK 420  
QY 436 HPFFDLKK 444  
Db 421 HPFFDLKK 429

US-10-339-656-5  
; Sequence 5, Application US/10339656  
; Patent No. 6733978  
; GENERAL INFORMATION:  
; APPLICANT: YAN, Chunhua et al.  
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC  
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES  
; TITLE OF INVENTION: THEREOF  
; FILE REFERENCE: CL000758DIV2  
; CURRENT APPLICATION NUMBER: US/10/339,656  
; CURRENT FILING DATE: 2003-01-10  
; PRIOR APPLICATION NUMBER: 10/109,854  
; PRIOR FILING DATE: 2002-04-01  
; PRIOR APPLICATION NUMBER: 09/810,671  
; PRIOR FILING DATE: 2001-03-19  
; PRIOR APPLICATION NUMBER: 60/227,470  
; PRIOR FILING DATE: 2000-08-24  
; NUMBER OF SEQ ID NOS: 5  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 5  
; LENGTH: 429  
; TYPE: PRT  
; ORGANISM: Homo sapien  
US-10-339-656-5

Query Match 78.3%; Score 1887; DB 4; Length 429;  
Best Local Similarity 82.1%; Pred. No. 7.9e-169;  
Matches 352; Conservative 30; Mismatches 45; Indels 2; Gaps 2;

QY	18	SHYLEARSLNERDYRRYVDEYRNDYCEGYVPRHVRDIESGYRTHCSKSSVRSRSP	77
DB	1	SHYLESRSINEKDYHRRYIDEYRNDYTCGCEPGRQDRHESRYQNHSSKSSGRGRSSY	60
QY	78	KRK-KRRHCHSSH-QSRKSHRRKRRSIEDDEGHLCOSGDVLRARYEIVDTLGEAGF	135
DB	61	KSKGRIHHSSTRSHRSGKSHRRKRTSVEDDEGHLCOSGDVLSARYEIVDTLGEAGF	120
QY	136	KVVECIDHGMGMHVAVKIVNNGVRYREARSAISIQVLEHNLSTDPNSVRCVQMLEWPDH	195
DB	121	KVVECIDHKGAGRHVAVKIVNVDYCEAARSEIQVLEHNLSTDPNSVRCVQMLEWPDH	180
QY	196	HGHCIVFELLGLSTYDFIKENSLFPQIDHIRMAYQICQSNFLHKNLTHDTLKPEN	255
DB	181	HGHCIVFELLGLSTYDFIKENGLFPRLDHRKWAYQICKSVNFLHKNLTHDTLKPEN	240
QY	256	ILFVKSQDVVYVKNKMRDERTLNKTDIKVDFGSGATYDDEHSTLSTRHYRAPEVILA	315
DB	241	ILFVQSDYTEAYNPKIKRDETLINFDIKVDFGSGATYDDEHSTLSTRHYRAPEVILA	300
QY	316	LQWSQPCDVWSIGCILIEYVLTQTHDSKEHLAMMERILGPQHMIOKTRKRYPH	375
DB	301	LQWSQPCDVWSIGCILIEYVLTQTHDSKEHLAMMERILGPQHMIOKTRKRYPH	360
QY	376	HNOLDWDEHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLVRRMLEYDPTQRTILDEALQ	435
DB	361	HNOLDWDEHSSAGRYVSRACKPLKEFMLSQDVEHERLFDLIQKMLEYDPAKRTITREALK	420
QY	436	HPFFDLKK 444	
DB	421	HPFFDLKK 429	

RESULT 12  
US-09-457-040B-12  
; Sequence 12, Application US/09457040B  
; Patent No. 6387641  
; GENERAL INFORMATION:  
; APPLICANT: Vertex Pharmaceuticals Incorporated  
; APPLICANT: Bellon, Steve  
; TITLE OF INVENTION: Crystallized P38 Complexes  
; FILE REFERENCE: VPI/98-14  
; CURRENT APPLICATION NUMBER: US/09/457,040B  
; CURRENT FILING DATE: 1999-12-08

; NUMBER OF SEQ ID NOS: 41  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 12  
; LENGTH: 484  
; TYPE: PRT  
; ORGANISM: Human  
US-09-457-040B-12

Query Match 78.3%; Score 1887; DB 3; Length 484;  
Best Local Similarity 82.1%; Pred. No. 9.4e-169;  
Matches 352; Conservative 30; Mismatches 45; Indels 2; Gaps 2;

QY	18	SHYLEARSLNERDYRRYVDEYRNDYCEGYVPRHVRDIESGYRTHCSKSSVRSRSP	77
DB	54	SHYLESRSINEKDYHRRYIDEYRNDYTCGCEPGRQDRHESRYQNHSSKSSGRGRSSY	113
QY	78	KRK-KRRHCHSSH-QSRKSHRRKRRSIEDDEGHLCOSGDVLRARYEIVDTLGEAGF	135
DB	114	KSKGRIHHSSTRSHRSGKSHRRKRTSVEDDEGHLCOSGDVLSARYEIVDTLGEAGF	173
QY	136	KVVECIDHGMGMHVAVKIVNNGVRYREARSAISIQVLEHNLSTDPNSVRCVQMLEWPDH	195
DB	174	KVVECIDHKGAGRHVAVKIVNVDYCEAARSEIQVLEHNLSTDPNSVRCVQMLEWPDH	233
QY	196	HGHCIVFELLGLSTYDFIKENSLFPQIDHIRMAYQICQSNFLHKNLTHDTLKPEN	255
DB	234	HGHCIVFELLGLSTYDFIKENGLFPRLDHRKWAYQICKSVNFLHKNLTHDTLKPEN	293
QY	256	ILFVKSQDVVYVKNKMRDERTLNKTDIKVDFGSGATYDDEHSTLSTRHYRAPEVILA	315
DB	294	ILFVQSDYTEAYNPKIKRDETLINFDIKVDFGSGATYDDEHSTLSTRHYRAPEVILA	353
QY	316	LQWSQPCDVWSIGCILIEYVLTQTHDSKEHLAMMERILGPQHMIOKTRKRYPH	375
DB	354	LQWSQPCDVWSIGCILIEYVLTQTHDSKEHLAMMERILGPQHMIOKTRKRYPH	413
QY	376	HNOLDWDEHSSAGRYVRRCKPLKEFMLCHDEHEKLFDLVRRMLEYDPTQRTILDEALQ	435
DB	414	HNOLDWDEHSSAGRYVSRACKPLKEFMLSQDVEHERLFDLIQKMLEYDPAKRTITREALK	473
QY	436	HPFFDLKK 444	
DB	474	HPFFDLKK 482	

RESULT 13  
US-09-905-999-20  
; Sequence 20, Application US/09905999  
; Patent No. 6797513  
; GENERAL INFORMATION:  
; APPLICANT: ULLRICH, Axel  
; APPLICANT: NAVLER, Oliver  
; TITLE OF INVENTION: CLK PROTEIN KINASES AND RELATED PRODUCTS AND METHODS  
; FILE REFERENCE: 038602/0431  
; CURRENT APPLICATION NUMBER: US/09/905,999  
; CURRENT FILING DATE: 2001-07-17  
; PRIOR APPLICATION NUMBER: 09/127,248  
; PRIOR FILING DATE: 1999-07-31  
; PRIOR APPLICATION NUMBER: PCT/IB97/00946  
; PRIOR FILING DATE: 1997-06-17  
; PRIOR APPLICATION NUMBER: US 08/877,150  
; PRIOR FILING DATE: 1997-06-17  
; PRIOR APPLICATION NUMBER: US 60/034,286  
; PRIOR FILING DATE: 1996-12-19  
; NUMBER OF SEQ ID NOS: 26  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 20  
; LENGTH: 483  
; TYPE: PRT  
; ORGANISM: Mus musculus  
US-09-905-999-20

Query Match 75.7%; Score 1824; DB 4; Length 483;

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Db      110  SQSSRRKRRRRRRRTFRRSSSHSSRRRAKSVEDDAEGHLIYHVGDWLQERYEIVSTLG 169
Qy      131  EGAFGKYVECIHGMGDMGHVAVXIVKXVGRYREAAARSEIQVLEHNSNTDPNSVPRCVQML 190
Db      170  EGTSGRVVQCVDHRRGGTRVALKIKVVEKYKEAARLEINVLEKINEKDPDNKNLCVOMF 229
Qy      191  EWDHDHGHVCIIVFELLGLSLTYDIKENSFLPFQIDHIRQWAYQICQOSINFLHHNKLTHTD 250
Db      230  DWFYDHGHMCISPELLGLSLTFDLKKNYLPYPIHQVRHMAFQLCQAVKFLHDNKLTHTD 289
Qy      251  LKPENILFVKSDYVVKVNSKMKDERLTKNTDIKAVDFFGSATYDDEHHSTLAVSTRHVRAP 310
Db      290  LKPENILFVNSDIETLVNLEKKDEBSVKSTAVRVDFGSATDFDEHHSIIIVSTRHVRAP 349
Qy      311  EVIALGWSQPCDWSIGCILIIEYLLGTFVFOTHDSKEHLAMMERILGPIPOHMIQKTRK 370
Db      350  EVILELGSQPCDWSIGCIIIEYVVGTFLFQTHDNREHLAMMERILGVPVSRMIRKTRK 409
Qy      371  RYFPHNQLDWDDEHSSAGRVYRRCKPLKEFMLCHDDEHBKLFDLVRMMLEYDPTQRI TL 430
Db      410  QKYFYRGLDWDENTSAGRYVRENCKPLRYLTSEADHHQLFDLIENMLEYEPKRLTL 469
Qy      431  DEALQHPPFDLLK 443
Db      470  GEALQHPPFACLR 482

RESULT 15
US-09-457-040B-13
; Sequence 13, Application US/09457040B
; Patent No. 6387641
; GENERAL INFORMATION:
; APPLICANT: Vertex Pharmaceuticals Incorporated
; APPLICANT: Bellon, Steve

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[illegible]





Result No.	Score	Query			DB	ID	Description
		Match	Length	†			
1	1335	100.0	2354	9	US-09-910-671-1	Sequence 1, Appl	
2	1335	100.0	2354	13	US-10-109-854-1	Sequence 1, Appl	
3	1335	100.0	2354	15	US-10-339-656-1	Sequence 1, Appl	
4	1335	100.0	2354	19	US-10-801-671-1	Sequence 1, Appl	
5	1283	96.1	1446	18	US-10-267-502-135	Sequence 135, Ap	
6	1094.2	82.0	1446	18	US-10-267-502-138	Sequence 138, Ap	
7	1094.2	82.0	1549	9	US-09-305-993-26	Sequence 26, Appl	

Query Match	100.0%;	Score 1335;	DB 9;	Length 2354;
Best Local Similarity	100.0%;	Pred. NO. 0;		
Matches 1335; Conservative	0;	Mismatches	0;	Indels 0; Gaps 0
Qy	1	ATGTGATCCCTCTTGAAGCTTCGCACCTCTGTTGAAGAGGACACTCATCCCACTCATTTAT	60	
Db	33	ATGTGATCCCTCTTGAAGCTTTCGACTCTGTTGAAGAGGACACTCATCCCACTCATTTAT	92	
Qy	61	TTAGAAGCAAGGTCCTTGAATGACGCGAGATTATCGGACCCGGAGATACGTTTGACGAATAC	120	

Db 93 TTAGAAGCAAGCTCTTGAATGAGCGAGATTATCGGACCGGAGATACGTTGACGAATAC 152  
Qy 121 AGAATGACTACTGTGAAGGATATGTTCTGACACATATACAGAGACATTGAAAGCGGG 180  
Db 153 AGGAATGACTACTGTGAAGGATATGTTCTGACACATATACAGAGACATTGAAAGCGGG 212  
Qy 181 TATCGAATCCACTCGAGTAAATCTTCAGTCCGACGAGGAGAGAGAGTCTTAAAGGAAG 240  
Db 213 TATCGAATCCACTCGAGTAAATCTTCAGTCCGACGAGGAGAGAGTCTTAAAGGAAG 272  
Qy 241 CGCAATAGACACTGTTCAAGTCACTGTCAGTCCGAGAGCCAGGAGGAAGATCC 300  
Db 273 CGCAATAGACACTGTTCAAGTCACTGTCAGTCCGAGAGCCAGGAGGAAGATCC 332  
Qy 301 AGGAGTATAGAGATGATGAGGAGGTCACCTGATCTGTCAAAGTGGAGACGTTCTAAGA 360  
Db 333 AGGAGTATAGAGATGATGAGGAGGTCACCTGATCTGTCAAAGTGGAGAGCTTCTAAGA 392  
Qy 361 GCAAGATATGAATCGTGACACTTTGGGTGAAGAGCCCTTTGGCAAAAGTTGTAGATGC 420  
Db 393 GCAAGATATGAATCGTGACACTTTGGGTGAAGAGCCCTTTGGCAAAAGTTGTAGATGC 452  
Qy 421 ATTGATCATGGATGATGCGATGATGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 480  
Db 453 ATTGATCATGGATGATGCGATGATGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 512  
Qy 481 TACCGTGAAGCAGCTCGTTGAGAAATCCAAAGTATTAGACACTTAAATAGTACTGATCC 540  
Db 513 TACCGTGAAGCAGCTCGTTGAGAAATCCAAAGTATTAGACACTTAAATAGTACTGATCC 572  
Qy 541 AATAGTCTTCCGATGTCGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 600  
Db 573 AATAGTCTTCCGATGTCGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 632  
Qy 601 ATTGTTGTTGAATCTGAGCTAGTACTGATGATGATGATGATGATGATGATGATGATGATG 660  
Db 633 ATTGTTGTTGAATCTGAGCTAGTACTGATGATGATGATGATGATGATGATGATGATGATG 692  
Qy 721 TTACATCATATAATTAACCCATACAGATCTGAAGCTCGAAATATTTTGTGTGAAG 780  
Db 753 TTACATCATATAATTAACCCATACAGATCTGAAGCTCGAAATATTTTGTGTGAAG 812  
Qy 781 TCTGACTATGATCAATATAATTTCTAAATGAACCGTGAAGTGAAGTGAAGTGAAGTGAAG 840  
Db 813 TCTGACTATGATCAATATAATTTCTAAATGAACCGTGAAGTGAAGTGAAGTGAAGTGAAG 872  
Qy 841 ACAGATATCAAGTGTGATCTTTGGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 900  
Db 873 ACAGATATCAAGTGTGATCTTTGGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 932  
Qy 901 TTGGTGTCTACCCGCACTACAGAGCTCCGAGGTCAATTTTGGCTTTAGGTGTGTCTCAG 960  
Db 933 TTGGTGTCTACCCGCACTACAGAGCTCCGAGGTCAATTTTGGCTTTAGGTGTGTCTCAG 992  
Qy 961 CTTGTGATGTTGGAGATAGTGTGATCTTATTGAATATTACCTTGGTTTTCACAGTC 1020  
Db 993 CTTGTGATGTTGGAGATAGTGTGATCTTATTGAATATTACCTTGGTTTTCACAGTC 1052  
Qy 1021 TTTTCAGACTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1080  
Db 1053 TTTTCAGACTCATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1112  
Qy 1081 CCACAAACATGATTCAGAAACCAAGAAACCAAGAAACCAAGAAACCAAGAAACCAAGAAAC 1140  
Db 1113 CCACAAACATGATTCAGAAACCAAGAAACCAAGAAACCAAGAAACCAAGAAACCAAGAAAC 1172  
Qy 1141 TGGGATGACACAGTCTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1200  
Db 1173 TGGGATGACACAGTCTCTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1232

Qy 1201 TTTATGCTTTGTCATGATGAAGAACATGAGAACTGTTTGACCTGTTTGAAGAAATGTTA 1260  
Db 1233 TTTATGCTTTGTCATGATGAAGAACATGAGAACTGTTTGACCTGTTTGAAGAAATGTTA 1292  
Qy 1261 GAATATGATCAACTCAAGAAATTTACCTTGGATGAAGCAATTTGAGCAATCTTTCTTTGAC 1320  
Db 1293 GAATATGATCAACTCAAGAAATTTACCTTGGATGAAGCAATTTGAGCAATCTTTCTTTGAC 1352  
Qy 1321 TTATTAATAAAGAAA 1335  
Db 1353 TTATTAATAAAGAAA 1367

RESULT 2  
US-10-109-854-1  
; Sequence 1, Application US/10109854  
; Publication No. US20020119548A1  
; GENERAL INFORMATION:  
; APPLICANT: YAN, Chunhua et al.  
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC  
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES  
; TITLE OF INVENTION: THEREOF  
; FILE REFERENCE: CL000758DIV  
; CURRENT APPLICATION NUMBER: US/10109,854  
; CURRENT FILING DATE: 2002-04-01  
; PRIOR APPLICATION NUMBER: 60/227,470  
; PRIOR FILING DATE: 2000-08-24  
; PRIOR APPLICATION NUMBER: 09/810,671  
; PRIOR FILING DATE: 2001-03-19  
; NUMBER OF SEQ ID NOS: 5  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1  
; LENGTH: 2354  
; TYPE: DNA  
; ORGANISM: Homo sapien  
US-10-109-854-1

Query Match 100.0%; Score 1335; DB 13; Length 2354;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 1335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATGTGATCCCTCTTGAAGCTTCGCACTCTGTTGAAGAGGACACTCATCCCACTCATTTAT 60  
Db 33 ATGTGATCCCTCTTGAAGCTTCGCACTCTGTTGAAGAGGACACTCATCCCACTCATTTAT 92  
Qy 61 TTAGAAGCAAGTCTCTTGAATGAGCGAGATTATCGGACCGGAGATAGCTTGACGAATAC 120  
Db 93 TTAGAAGCAAGTCTCTTGAATGAGCGAGATTATCGGACCGGAGATAGCTTGACGAATAC 152  
Qy 121 AGGAATGACTACTGTGAAGGATATGTTCTAGACATTTACAGAGACATTGAAAGCGGG 180  
Db 153 AGGAATGACTACTGTGAAGGATATGTTCTAGACATTTACAGAGACATTGAAAGCGGG 212  
Qy 181 TATCGAATCCACTGCAAGTAAATCTTCAGTCCGACGAGAGAGCAAGTCTTAAAGGAAG 240  
Db 213 TATCGAATCCACTGCAAGTAAATCTTCAGTCCGACGAGAGAGCAAGTCTTAAAGGAAG 272  
Qy 241 CGCAATAGACACTGTTCAAGTCACTGTCAGTCCGAGAGCCAGGAGGAAGATCC 300  
Db 273 CGCAATAGACACTGTTCAAGTCACTGTCAGTCCGAGAGCCAGGAGGAAGATCC 332  
Qy 301 AGGAGTATAGAGATGATGAGGAGGTCACCTGATCTGTCAAAGTGGAGACGTTCTAAGA 360  
Db 333 AGGAGTATAGAGATGATGAGGAGGTCACCTGATCTGTCAAAGTGGAGAGCTTCTAAGA 392  
Qy 361 GCAAGATATGAATCGTGACACTTTGGGTGAAGAGCCCTTTGGCAAAAGTTGTAGATGC 420  
Db 393 GCAAGATATGAATCGTGACACTTTGGGTGAAGAGCCCTTTGGCAAAAGTTGTAGATGC 452  
Qy 421 ATTGATCATGGATGATGCGATGATGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 480  
Db 453 ATTGATCATGGATGATGCGATGATGAGTGAAGTGAAGTGAAGTGAAGTGAAGTGAAG 512

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QY 481 TACCGTGAAGCAGCTCGTTCCAGAAATCCAAAGTATTAGAGCACTTAAATAGTACTGATCCC 540
D 513 TACCGTGAAGCAGCTCGTTCCAGAAATCCAAAGTATTAGAGCACTTAAATAGTACTGATCCC 572
QY 541 AATAGTGTCTTCCGATGTGCCAGATGCTAGAGTGTTCATCATCATGTCATGTTTGT 600
D 573 AATAGTGTCTTCCGATGTGCCAGATGCTAGAGTGTTCATCATCATGTCATGTTTGT 632
QY 601 ATTGTGTTTGAACACTACTGGGACTTAGTACTTACGATTTCAATTAAGAAACAGCTTCTG 660
D 633 ATTGTGTTTGAACACTACTGGGACTTAGTACTTACGATTTCAATTAAGAAACAGCTTCTG 692
QY 661 CCATTTCAAATTGACCAATCAGCAGATGCGGTATCAGATCTGCGCAGTCAATAAATTTT 720
D 693 CCATTTCAAATTGACCAATCAGCAGATGCGGTATCAGATCTGCGCAGTCAATAAATTTT 752
QY 721 TTACATCATATAAATTAACCCATACAGATCTGAAGCTGAAATATTTTGTGTAAG 780
D 753 TTACATCATATAAATTAACCCATACAGATCTGAAGCTGAAATATTTTGTGTAAG 812
QY 781 TCTGACTATGTAGTCAAAATATAATTTTAAATGAACGTGATGAACGCACACTGAAAAAC 840
D 813 TCTGACTATGTAGTCAAAATATAATTTTAAATGAACGTGATGAACGCACACTGAAAAAC 872
QY 841 ACAGATATCAAAAGTGTGTGACTTTGGAAGTGCAACGTATGATGATGAACATCAGTACT 900
D 873 ACAGATATCAAAAGTGTGTGACTTTGGAAGTGCAACGTATGATGATGAACATCAGTACT 932
QY 901 TTGGTGTCTACCCGGCACTACAGACTCCGAGGTCAATTTTGGCTTTAGTGTGCTCAG 960
D 933 TTGGTGTCTACCCGGCACTACAGACTCCGAGGTCAATTTTGGCTTTAGTGTGCTCAG 992
QY 961 CCTTGTGATGTTGGAGCATAGTGTGCAATTTTGAATATTACCTTGGTTTACAGTC 1020
D 993 CCTTGTGATGTTGGAGCATAGTGTGCAATTTTGAATATTACCTTGGTTTACAGTC 1052
QY 1021 TTTCCAGACTCATGATAGTAAGAGCACCTGGCAATGATGAACGAATATTAGGACCCATA 1080
D 1053 TTTCCAGACTCATGATAGTAAGAGCACCTGGCAATGATGAACGAATATTAGGACCCATA 1112
QY 1081 CCACACACATGATTCAGAAACACAGAAACGCAAGTATTTTCCACATACCGACTAGAT 1140
D 1113 CCACACACATGATTCAGAAACACAGAAACGCAAGTATTTTCCACATACCGACTAGAT 1172
QY 1141 TGGGATGAACACAGTCTCTGCTGTGTAGATATGTTAGGAGACGCTGCAAAACGTTGAAGAA 1200
D 1173 TGGGATGAACACAGTCTCTGCTGTGTAGATATGTTAGGAGACGCTGCAAAACGTTGAAGAA 1232
QY 1201 TTTATGCTTTTGCATGATGAAGAACATGAGAAACCTGTTGACCTGTTTGAAGAAATGTTA 1260
D 1233 TTTATGCTTTTGCATGATGAAGAACATGAGAAACCTGTTGACCTGTTTGAAGAAATGTTA 1292
QY 1261 GAATATGATCCAACTCAAGAAATTTACCTTGGATGAAGCAATTCGAGCATCTTCTTTGAC 1320
D 1293 GAATATGATCCAACTCAAGAAATTTACCTTGGATGAAGCAATTCGAGCATCTTCTTTGAC 1352
QY 1321 TTATTAAGAAAGAA 1335
D 1353 TTATTAAGAAAGAA 1367
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## RESULT 3

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US-10-339-656-1
; Sequence 1, Application US/10339656
; Publication No. US20030134319A1
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL000758DIV2
; CURRENT APPLICATION NUMBER: US/10/339,656
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; CURRENT FILING DATE: 2003-01-10
; PRIOR APPLICATION NUMBER: 10/109,854
; PRIOR FILING DATE: 2002-04-01
; PRIOR APPLICATION NUMBER: 09/810,671
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/227,470
; PRIOR FILING DATE: 2000-08-24
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 2354
; TYPE: DNA
; ORGANISM: Homo sapien
; US-10-339-656-1
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Query Match 100.0%; Score 1335; DB 15; Length 2354;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 1335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 ATGTGATCCCTCTTGAAGCTTCGCACTCTGTGTTGAAGAGACACTCATCCAGTCAATTAT 60
D 33 ATGTGATCCCTCTTGAAGCTTCGCACTCTGTGTTGAAGAGACACTCATCCAGTCAATTAT 92
QY 61 TTAGAAGCAAGTCCCTTGAATGAGCGAGATTATCGGACCGGAGATACGTTGACGAATAC 120
D 93 TTAGAAGCAAGTCCCTTGAATGAGCGAGATTATCGGACCGGAGATACGTTGACGAATAC 152
QY 121 AGGAATGACTACTGTGAAGGATATGTTCTTAGACATTATCACAGAGACATTGAAAGCGGG 180
D 153 AGGAATGACTACTGTGAAGGATATGTTCTTAGACATTATCACAGAGACATTGAAAGCGGG 212
QY 181 TATCGAATCCACTGCGAGTAAATCTTCAGTCCGAGCAGSAGAGACAGTCTCTAAAGGAAG 240
D 213 TATCGAATCCACTGCGAGTAAATCTTCAGTCCGAGCAGSAGAGACAGTCTCTAAAGGAAG 272
QY 241 CGCAATAGACACTGTTCAAGTCACTAGTCAGTCTCGAGAGCCACCCAGAGAAAGATCC 300
D 273 CGCAATAGACACTGTTCAAGTCACTAGTCAGTCTCGAGAGCCACCCAGAGAAAGATCC 332
QY 301 AGGAGTATAGAGGATGATGAGGAGGTCACCTGATCTGTCAAAGTGGAGAGCTTCTTAAGA 360
D 333 AGGAGTATAGAGGATGATGAGGAGGTCACCTGATCTGTCAAAGTGGAGAGCTTCTTAAGA 392
QY 361 GCAAGATATGAATTCGTGGACACTTTTGGGTGAAGAGGACCTTTGGCAAAGTTGTAGAGTC 420
D 393 GCAAGATATGAATTCGTGGACACTTTTGGGTGAAGAGGACCTTTGGCAAAGTTGTAGAGTC 452
QY 421 ATTGATCATGGCATGGATGGCATGTCATGTAGCAGTGAATAATCGTAAAAAATGTAAGCCGT 480
D 453 ATTGATCATGGCATGGATGGCATGTCATGTAGCAGTGAATAATCGTAAAAAATGTAAGCCGT 512
QY 481 TACCGTGAAGCAGCTCGTTCCAGAAATCCAAAGTATTAGAGCACTTAAATAGTACTGATCCC 540
D 513 TACCGTGAAGCAGCTCGTTCCAGAAATCCAAAGTATTAGAGCACTTAAATAGTACTGATCCC 572
QY 541 AATAGTGTCTTCCGATGTGTCAGATGCTAGAAATGTTTGCATCATCATGTCATGTTTGT 600
D 573 AATAGTGTCTTCCGATGTGTCAGATGCTAGAAATGTTTGCATCATCATGTCATGTTTGT 632
QY 601 ATTGTGTTTGAACACTACTGGGACTTAGTACTTACGATTTCAATTAAGAAACAGCTTCTG 660
D 633 ATTGTGTTTGAACACTACTGGGACTTAGTACTTACGATTTCAATTAAGAAACAGCTTCTG 692
QY 661 CCATTTCAAATTGACCAATCAGCAGATGCGGTATCAGATCTGCGCAGTCAATAAATTTT 720
D 693 CCATTTCAAATTGACCAATCAGCAGATGCGGTATCAGATCTGCGCAGTCAATAAATTTT 752
QY 721 TTACATCATATAAATTAACCCATACAGATCTGAAGCTGAAATATTTTGTGTAAG 780
D 753 TTACATCATATAAATTAACCCATACAGATCTGAAGCTGAAATATTTTGTGTAAG 812
QY 781 TCTGACTATGTAGTCAAAATATAATTTTAAATGAACGTGATGAACGCACACTGAAAAAC 840
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Thu Aug 4 11:19:26 2005

Db	813	TCGACTATGTAGTCAATATAATTTCTAAATGAACGCTGATGAACGACACCTGAAAAAC	872	93	TTAGAACAAGGTCCTTGAATGAGCGAGATTATTCGGACCGGAGATACGTTGACGAATAC	152
Qy	841	ACAGATATCAAAAGTTGTTGACCTTTGGAGTCGAACGCTATGATGATGAACATCACAGTACT	900	121	AGGAATGACTACTCTGTGAAGGATATGTTCTTAGACATATATCACAGACACATTTGAAAGCGGG	180
Db	873	ACAGATATCAAAAGTTGTTGACCTTTGGAGTCGAACGCTATGATGATGAACATCACAGTACT	932	153	AGGAATGACTACTCTGTGAAGGATATGTTCTTAGACATATATCACAGACACATTTGAAAGCGGG	212
Qy	901	TTGGTGTCTACCGGCACCTACAGAGCTCCCGAGGTCATTTTGGCTTTAGGTTGGTCTCAG	960	181	TATCGAATCCCACTGCAGTAAATCTTCAGTCCGACGAGGAGAGCAGTCTCTAAAGGAAG	240
Db	933	TTGGTGTCTACCGGCACCTACAGAGCTCCCGAGGTCATTTTGGCTTTAGGTTGGTCTCAG	992	213	TATCGAATCCCACTGCAGTAAATCTTCAGTCCGACGAGGAGAGCAGTCTCTAAAGGAAG	272
Qy	961	CTTTGATGATTTGGAGCATAGCTTGCATCTTATTGAATATATACCTTTGGTTTACAGTC	1020	241	CGCAATAGACACATGTTCAAGTCATCAGTCAGTTCGAAGGCCACCCGAGGAAAGATCC	300
Db	993	CTTTGATGATTTGGAGCATAGCTTGCATCTTATTGAATATATACCTTTGGTTTACAGTC	1052	273	CGCAATAGACACATGTTCAAGTCATCAGTCAGTTCGAAGGCCACCCGAGGAAAGATCC	332
Qy	1021	TTTCAGACTCATGATGATGAAGAGCACCTGGCAATGATGGAACGAATATATAGGACCCATA	1080	301	AGAGTATAGAGGATGATGAGGAGGTCACCTGATCTGTCAAAGTGGAGAGCGTTCTAAGA	360
Db	1053	TTTCAGACTCATGATGATGAAGAGCACCTGGCAATGATGGAACGAATATATAGGACCCATA	1112	333	AGAGTATAGAGGATGATGAGGAGGTCACCTGATCTGTCAAAGTGGAGAGCGTTCTAAGA	392
Qy	1081	CCACAACACATGATTCGAAAAACAAGAAACGCAAGTATTTTCAACATAACCCAGCTAGAT	1140	361	GCAAGATATGAAATCGTGACACTTTTGGTGAAGAGCGCTTTGGCAAAAGTTGTAGAGTGC	420
Db	1113	CCACAACACATGATTCGAAAAACAAGAAACGCAAGTATTTTCAACATAACCCAGCTAGAT	1172	393	GCAAGATATGAAATCGTGACACTTTTGGTGAAGAGCGCTTTGGCAAAAGTTGTAGAGTGC	452
Qy	1141	TGGGATGAACACAGTCTCTGCTGGTAGATATGTTAGGAGCGCTGCAAAACCGTTGAAGHA	1200	421	ATTGATCATGGCATGGATGGCATGCAATGATGAGTGAAGTAAATCGTAAAAAATGTAGGCCGT	480
Db	1173	TGGGATGAACACAGTCTCTGCTGGTAGATATGTTAGGAGCGCTGCAAAACCGTTGAAGHA	1232	453	ATTGATCATGGCATGGATGGCATGCAATGATGAGTGAAGTAAATCGTAAAAAATGTAGGCCGT	512
Qy	1201	TTTATGCTTTGTCATGATGAAGACATGAGAACTGTTGACCTGGTTCGAAGAATGTTA	1260	481	TACCGTGAAGCAGCTCGTTCAAGAAATCAAAGTATTAGAGCACTTAAATAGTAGTATCCC	540
Db	1233	TTTATGCTTTGTCATGATGAAGACATGAGAACTGTTGACCTGGTTCGAAGAATGTTA	1292	513	TACCGTGAAGCAGCTCGTTCAAGAAATCAAAGTATTAGAGCACTTAAATAGTAGTATCCC	572
Qy	1261	GAATATGATCCAACTCAAGAAATACCTTGGATGAAGCATGCGATCTTTCTTTGAC	1320	541	AATAGTGTCTTCGAGTGTCCAGATGCTAGAAATGCTGATGATGATGATGATGATGATGAT	600
Db	1293	GAATATGATCCAACTCAAGAAATACCTTGGATGAAGCATGCGATCTTTCTTTGAC	1352	573	AATAGTGTCTTCGAGTGTCCAGATGCTAGAAATGCTGATGATGATGATGATGATGATGAT	632
Qy	1321	TTATTAAAAAGAAA 1335		601	ATTGTTGTTGAACTACTGGGACTTTAGTACTTACGATTTCAATTAAGAAACACAGCTTCG	660
Db	1353	TTATTAAAAAGAAA 1367		633	ATTGTTGTTGAACTACTGGGACTTTAGTACTTACGATTTCAATTAAGAAACACAGCTTCG	692
RESULT 4						
US-10-801-671-1						
; Sequence 1, Application US/10801671						
; Publication No. US20040152123A1						
; GENERAL INFORMATION:						
; APPLICANT: YAN, Chunhua et al.						
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC						
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES						
; TITLE OF INVENTION: THEREOF						
; FILE REFERENCE: CL000758DIV-III						
; CURRENT APPLICATION NUMBER: US/10/801,671						
; CURRENT FILING DATE: 2004-03-17						
; PRIOR APPLICATION NUMBER: 60/227,470						
; PRIOR FILING DATE: 2000-08-24						
; PRIOR APPLICATION NUMBER: 09/810,671						
; PRIOR FILING DATE: 2001-03-19						
; NUMBER OF SEQ ID NOS: 5						
; SOFTWARE: FastSeq for Windows Version 4.0						
; SEQ ID NO 1						
; LENGTH: 2354						
; TYPE: DNA						
; ORGANISM: Homo sapiens						
US-10-801-671-1						
Query Match 100.0%; Score 1335; DB 19; Length 2354;						
Best Local Similarity 100.0%; Pred. No. 0;						
Matches 1335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;						
Qy	1	ATGTGATCCCTCTTGAAGCTTCGACCTCTGTTGAAGAGGACACTCATCCAGTCAATTAT	60	1081	CCACAACACATGATTCGAAAAACAAGAAACGCAAGTATTTTCAACATAACCCAGCTAGAT	1140
Db	33	ATGTGATCCCTCTTGAAGCTTCGACCTCTGTTGAAGAGGACACTCATCCAGTCAATTAT	92	1113	CCACAACACATGATTCGAAAAACAAGAAACGCAAGTATTTTCAACATAACCCAGCTAGAT	1172
Qy	61	TTAGAGCAGGTCCTTGAATGAGCGAGATTATCGGACCGGAGATGAGTTCGAGATAC	120	1141	TGGGATGAACACAGTCTCTGCTGGTAGATATGTTAGGAGCGCTGCAAAACCGTTGAAGHA	1260
				1173	TGGGATGAACACAGTCTCTGCTGGTAGATATGTTAGGAGCGCTGCAAAACCGTTGAAGHA	1232

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Qy 1201 TTTATGCTTTGTCAATGATGAAGAACATGAGAAACTGTTTGAACCTGGTTTCAAGAAATGTTA 1260
Db 1233 TTTATGCTTTGTCAATGATGAAGAACATGAGAAACTGTTTGAACCTGGTTTCAAGAAATGTTA 1292
Qy 1261 GAATATGATCCAACTCAAGCAATTTACCTTGGATGAAGCAATTCGAGCATCCTTTCTTTGAC 1320
Db 1293 GAATATGATCCAACTCAAGCAATTTACCTTGGATGAAGCAATTCGAGCATCCTTTCTTTGAC 1352
Qy 1321 TTTATTAAGAAAGAAA 1335
Db 1353 TTTATTAAGAAAGAAA 1367

RESULT 5
US-10-267-502-135
; Sequence 135, Application US/10267502
; Publication No. US20040071700A1
; GENERAL INFORMATION:
; APPLICANT: Kim, Jaeseob
; APPLICANT: Galant, Ron
; TITLE OF INVENTION: Obesity Linked Genes
; FILE REFERENCE: LSD-07416
; CURRENT APPLICATION NUMBER: US/10/267,502
; CURRENT FILING DATE: 2003-01-27
; NUMBER OF SEQ ID NOS: 439
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 135
; LENGTH: 1446
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-267-502-135

Query Match 96.1%; Score 1283; DB 18; Length 1446;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1283; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 53 GTCAATTATTTAGAGCAAGGTCTTGAATGAGCGAGATTATCGGACCGGAGATACGTTG 112
Db 161 GTCAATTATTTAGAGCAAGGTCTTGAATGAGCGAGATTATCGGACCGGAGATACGTTG 220
Qy 113 ACCAATACAGGAATGACTACTGTGAGGATATGTTCTAGACATTATCAGAGACATTG 172
Db 221 ACCAATACAGGAATGACTACTGTGAGGATATGTTCTAGACATTATCAGAGACATTG 280
Qy 173 AAAGCGGTATCGAATCCACTGCAGTAAATCTTCAGTCCGACGAGGAGAGCGTCTTA 232
Db 281 AAAGCGGTATCGAATCCACTGCAGTAAATCTTCAGTCCGACGAGGAGAGCGTCTTA 340
Qy 233 AAAGGAAGCGCAATAGACACTGTTCAAGTCATCAGTCACGTTTCAAGAGCCACCGAAGGA 292
Db 341 AAAGGAAGCGCAATAGACACTGTTCAAGTCATCAGTCACGTTTCAAGAGCCACCGAAGGA 400
Qy 293 AAAGATCCAGAGTATAGAGATGATGAGAGGTCACCTGATCTGTCAAAGTGGAGACG 352
Db 401 AAAGATCCAGAGTATAGAGATGATGAGAGGTCACCTGATCTGTCAAAGTGGAGACG 460
Qy 353 TTCTAAGAGCAAGATATGAATCGTGACACTTTGGGTGAAGAGCCCTTTGGCAAAAGTTG 412
Db 461 TTCTAAGAGCAAGATATGAATCGTGACACTTTGGGTGAAGAGCCCTTTGGCAAAAGTTG 520
Qy 413 TAGATGTCATTGATCGGATGGATGGCATGTCATGTCAGTGCAGTGAAGTCAAAATCGTAAAAATG 472
Db 521 TAGATGTCATTGATCGGATGGATGGCATGTCATGTCAGTGAAGTCAAAATCGTAAAAATG 580
Qy 473 TAGGCGGTACCGTGAAGCAGCTGCTTCAAGATCCAAATCAGATTTAGAGCACTTAAATAGTA 532
Db 581 TAGGCGGTACCGTGAAGCAGCTGCTTCAAGATCCAAATCAGATTTAGAGCACTTAAATAGTA 640
Qy 533 CTGATCCCAATAGTGTCTTCCGATGTGTCAGATGCTAGAAATGTTTGTATCATCATCGTC 592
Db 641 CTGATCCCAATAGTGTCTTCCGATGTGTCAGATGCTAGAAATGTTTGTATCATCATCGTC 700
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Qy 593 ATGTTTGTATTTGTTTGAACCTACTGGGACTTAGTACTTACGATTTTCATTTAAAGAAACA 652
Db 701 ATGTTTGTATTTGTTTGAACCTACTGGGACTTAGTACTTACGATTTTCATTTAAAGAAACA 760
Qy 653 GCCTTTCTGCCATTTCAAAATTTGACCACATCAGGAGATGGCGTATCAGATCTGCCAGTCAA 712
Db 761 GCCTTTCTGCCATTTCAAAATTTGACCACATCAGGAGATGGCGTATCAGATCTGCCAGTCAA 820
Qy 713 TAAATTTTACATCATATAATAATAACCCATACAGATCTGAAGCCTGAAATAATTTTGT 772
Db 821 TAAATTTTACATCATATAATAATAACCCATACAGATCTGAAGCCTGAAATAATTTTGT 880
Qy 773 TTGTGAAGTCTGACTATGATCAAAATATAATTTCTAAATGAACGATGAACGCACAC 832
Db 881 TTGTGAAGTCTGACTATGATCAAAATATAATTTCTAAATGAACGATGAACGCACAC 940
Qy 833 TGAAGAAACACAGATATCAAAAGTTTGTGACTTTTGGAGTGCACGATGATGATGAACATC 892
Db 941 TGAAGAAACACAGATATCAAAAGTTTGTGACTTTTGGAGTGCACGATGATGATGAACATC 1000
Qy 893 ACAGTACTTTTGTGTCTTACCCGGCCTACACAGAGCTCCCGAGGTCAATTTTGGCTTTAGGTT 952
Db 1001 ACAGTACTTTTGTGTCTTACCCGGCCTACACAGAGCTCCCGAGGTCAATTTTGGCTTTAGGTT 1060
Qy 953 GGTCTCAGCCTTGTGATGTTTGGAGCATAGGTTGCATCTTATGAAATATACCTTGGTT 1012
Db 1061 GGTCTCAGCCTTGTGATGTTTGGAGCATAGGTTGCATCTTATGAAATATACCTTGGTT 1120
Qy 1013 TCACAGTCTTTTCAGACTCATGATGATGAAGAGCAGCTTGGCAATGATGGAACGAATATTAG 1072
Db 1121 TCACAGTCTTTTCAGACTCATGATGATGAAGAGCAGCTTGGCAATGATGGAACGAATATTAG 1180
Qy 1073 GACCCATACCAACACATGATTTCAGAAACCAAGAAACCGCAAGTATTTTACCATAACC 1132
Db 1181 GACCCATACCAACACATGATTTCAGAAACCAAGAAACCGCAAGTATTTTACCATAACC 1240
Qy 1133 AGCTAGATGGGATGAACACAGTTCTGCTGGTATGATATGTTAGAGACGCTGCAACCGT 1192
Db 1241 AGCTAGATGGGATGAACACAGTTCTGCTGGTATGATATGTTAGAGACGCTGCAACCGT 1300
Qy 1193 TGAAGCAATTTTATGCTTTGTCATGATGAAGAACATGGAACCTGTTTGACCTGCTCGAA 1252
Db 1301 TGAAGCAATTTTATGCTTTGTCATGATGAAGAACATGGAACCTGTTTGACCTGCTCGAA 1360
Qy 1253 GAATGTTTAGAATATGATCCAACTCAAGAAATTTACCTTGGATGAAGCAATTCAGCATCCTT 1312
Db 1361 GAATGTTTAGAATATGATCCAACTCAAGAAATTTACCTTGGATGAAGCAATTCAGCATCCTT 1420
Qy 1313 TCTTTGACTTATTAAGAAAGAAA 1335
Db 1421 TCTTTGACTTATTAAGAAAGAAA 1443
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## RESULT 6

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US-10-267-502-138
; Sequence 138, Application US/10267502
; Publication No. US20040071700A1
; GENERAL INFORMATION:
; APPLICANT: Kim, Jaeseob
; APPLICANT: Galant, Ron
; TITLE OF INVENTION: Obesity Linked Genes
; FILE REFERENCE: LSD-07416
; CURRENT APPLICATION NUMBER: US/10/267,502
; CURRENT FILING DATE: 2003-01-27
; NUMBER OF SEQ ID NOS: 439
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 138
; LENGTH: 1446
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-267-502-138
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Query Match 82.0%; Score 1094.2; DB 18; Length 1446;

Best Local Similarity 90.8%; Pred. No. 6e-293; Matches 1165; Conservative 0; Mismatches 118; Indels 0; Gaps 0;	
QY	53 GTCATTATTAGAACCAAGGTCCTTGAATGACGAGATTATCGGACCGGAGATACGTTG 112
Db	161 GTCACATTATTAGAACCAAGATCCTTGAATGAGAGATTATCGGACCGGAGATACATTG 220
QY	113 ACGAATACAGGAATGACTACTGTGAAGGATATGTTCTAGACATTATCACAGACATTG 172
Db	221 ATGAATACAGAATGACTACTGCGAAGGATATGTTCCAAAGACATTACCATAGACGTTG 280
QY	173 AAAGCGGGTATCGAATFCACTGCTAGTAATCTTCAGTCCGACGAGGAGACGCTCCCTA 232
Db	281 AAAGCACTTACCGGATFCACTGCTAGTAATCTTCAGTCCGACGAGGAGACGCTCCCTA 340
QY	233 AAAGGAAGCGCAATAGACACTGTTCAAGTCATCAGTCACGTTCCGAAGACCCACGAAGGA 292
Db	341 AGAAGAAGCGTATAGACCTGTGCAAGTCATCAGTCGCAATTCGAAGACCCACGAAGGA 400
QY	293 AAAGATCCAGGAGTATAGAGGATGATGAGGAGGTCACCTGATCTGTCAAAGTGAGAGC 352
Db	401 AAAGATCCAGGAGTATAGAGGATGATGAGGAGGTCACCTGATCTGTCAAAGTGAGAGC 460
QY	353 TTCTAAGAGCAAGATGAAATCGTGCACACTTTTGGTGAAGGAGCCTTTGGCAAGTTG 412
Db	461 TTCTAAGAGCAAGATGAAATCGTGCACACTTTTGGTGAAGGAGCCTTTGGCAAGTTG 520
QY	413 TAGAGTGCATTGATGATGCGATGCGATGCGATGATGATGATGATGATGATGATGATGATG 472
Db	521 TAGAGTGCATTGATGATGCGATGCGATGCGATGATGATGATGATGATGATGATGATGATG 580
QY	473 TAGGCCGTTACCGTGAAGAGCTCGTTTCAGAAATCCAAATTTAGAGCACTTTAAATAGTA 532
Db	581 TAGAGCTTACCGGAGGAGCTCGTTTCAGAAATCCAAATTTAGAGCACTTTGAACAGCA 640
QY	533 CTGATCCCAATGATGCTCCGATGTCAGATGTCAGATGTCAGATGTCAGATGTCAGATGTC 592
Db	641 CTGACCCCAACAGTGTCTCGATGTCAGATGTCAGATGTCAGATGTCAGATGTCAGATGTC 700
QY	593 ATGTTTGTATGTTGTGAATACTCGGACTTGTAGTACTTACGATTTCAATTAAGAAACA 652
Db	701 ATGTTTGTATGTTGTGAATACTCGGACTTGTAGTACTTACGATTTCAATTAAGAAATA 760
QY	653 GCTTTCTGCCATTTCAATTTGACACATCAGGAGATGCGGTATCAGATCTGCCAGTCAA 712
Db	761 GCTTTCTGCCATTTCAATTTGATCAGATCAGGCAATGCGGTATCAGATCTGCCAGTCAA 820
QY	713 TAAATTTTATACATCAATAAATAAATTAACACACGCGACCTTAAACCTTGAATAATTTTAT 772
Db	821 TAAATTTTATACATCAATAAATAAATTAACACACGCGACCTTAAACCTTGAATAATTTTAT 880
QY	773 TTGTGAAGTCTGACTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 832
Db	881 TTGTGAAGTCTGACTATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 940
QY	833 TGAAAAACACAGATATCAAGTTGTTGACTTTGGAAGTGCAACGCTATGATGATGATGATG 892
Db	941 TGAAAAACACAGATATCAAGTTGTTGACTTTGGAAGTGCAACGCTATGATGATGATGATG 1000
QY	893 ACAGTACTTTGGTGTCTACCCGGCACTACAGAGCTCCGAGGTCATTTGGCTTTAGGTT 952
Db	1001 ATAGTACTTTGGTGTCTACCCGGCACTACAGAGGCTCCAGAGGTCATTTGGCTTTAGGTT 1060
QY	953 GGTCTCAGCCTTGTATGTTTGGAGCATAGGTTGCTATTTTAAATTAATTTACCTTTGGTT 1012
Db	1061 GGTCTCAGCCTTGTATGTTTGGAGCATAGGTTGCTATTTTAAATTAATTTACCTTTGGTT 1120
QY	1013 TCACAGTCTTTTCAGACTCATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1072
Db	1121 TCACAGTCTTTTCAGACTCATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1180
QY	1073 GACCCATACCAACACATGATTCAGAAAAACAGAAAAACGCAAGTATTTTCCACCATACC 1132

Db	1181 GACCCATCCAGCACATATGATCCAGAAGAACAAAGGAAACGAAAGTATTTTCCACCATAACC 1240
QY	1133 AGTAGATTGGGATGAACACACAGTCTTCTGCTAGATATGTTAGGAGACGCTGCAAAACCGT 1192
Db	1241 AGCTAGATTGGGACGAGCATAGTTTCAGCTGGGAGATATGTTAGGAGACGCTGCAAGCGT 1300
QY	1193 TGAAGGAATTTATGCTTTGTTCATGATGAAGAACAATGAGAAACTGTTTGACCTGGTTGCAA 1252
Db	1301 TAAAGGAATTTATGCTTTGTTCATGACCAAGACATGAGAAGCTGTTTGACCTGGTTGCAA 1360
QY	1253 GAATGTTAGAAATATGATCCAACTCAAGAATTTACCTTTGGATGAAGCAATTCGACGATCCTT 1312
Db	1361 GAATGTTGGAGTATGACCCGAGAGGATCACCTTTGGATGAAGCAATTCGACGATCCTT 1420
QY	1313 TCCTTGACTTATTAAAAAGAAA 1335
Db	1421 TCCTTGACTTATTAAAAAGGAAA 1443
RESULT 7	
US-09-905-999-26	
; Sequence 26, Application US/09905999	
; Patent No. US20020106771A1	
; GENERAL INFORMATION:	
; APPLICANT: ULLRICH, Axel	
; APPLICANT: NAVLER, Oliver	
; TITLE OF INVENTION: CLK PROTEIN KINASES AND RELATED PRODUCTS AND METHODS	
; FILE REFERENCE: 038602/0431	
; CURRENT APPLICATION NUMBER: US/09/905,999	
; PRIOR FILING DATE: 2001-07-17	
; PRIOR APPLICATION NUMBER: 09/127,248	
; PRIOR FILING DATE: 1999-07-31	
; PRIOR APPLICATION NUMBER: PCT/IB97/00946	
; PRIOR FILING DATE: 1997-06-17	
; PRIOR APPLICATION NUMBER: US 08/877,150	
; PRIOR FILING DATE: 1997-06-17	
; PRIOR APPLICATION NUMBER: US 60/034,286	
; PRIOR FILING DATE: 1996-12-19	
; NUMBER OF SEQ ID NOS: 26	
; SOFTWARE: PatentIn version 3.0	
; SEQ ID NO 26	
; LENGTH: 1549	
; TYPE: DNA	
; ORGANISM: Mus musculus	
US-09-905-999-26	
Query Match 82.0%; Score 1094.2; DB 9; Length 1549;	
Best Local Similarity 90.8%; Pred. No. 6.3e-293;	
Matches 1165; Conservative 0; Mismatches 118; Indels 0; Gaps 0;	
QY	53 GTCATTATTAGAACCAAGGTCCTTGAATGACGAGATTATCGGACCGGAGATACGTTG 112
Db	239 GTCACATTATTAGAACCAAGATGCTTGAATGAGAGATTATCGGACCGGAGATACATTG 298
QY	113 ACGAATACAGGAATGACTACTGTGAAGGATATGTTCTAGACATTATCACAGACATTG 172
Db	299 ATGAATACAGAATGACTACTGCGAAGGATATGTTCCAAAGACATTACCATAGAGCGTTG 358
QY	173 AAAGCGGGTATCGAATFCACTGCTAGTAATCTTTCAGTCCGACGAGAGAGAGCGTCCTA 232
Db	359 AAAGCACTTACCGGATFCACTGCTAGTAATCTTTCAGTCCGACGAGAGAGAGCGTCCTA 418
QY	233 AAAGGAAGCGCAATAGACACTGTTCAAGTCATCAGTCAGTTCGAAGAGCCACCGAAGGA 292
Db	419 AGAAGAAGCGTATAGACCTGTGCAAGTCAATCAGTCGCAATTCGAAGAGCCACCGAAGGA 478
QY	293 AAAGATCCAGGAGTATAGAGGATGATGAGGAGGTCACCTGATCTCTGTCAAAGTGAGAGC 352
Db	479 AAAGATCCAGGAGTATAGAGGATGATGAGGAGGTCACCTGATCTCTGTCAAAGTGAGAGC 538
QY	353 TTCTAAGAGCAAGATATGAAATCGTGGACACTTTTGGTGAAGGAGCCTTTTGGCAAAAGTTG 412
Db	539 TTCTAAGAGCAAGATATGAAATCGTGGACACTTTTGGTGAAGGAGCCTTTTGGCAAAAGTTG 598





Thu Aug 4 11:19:26 2005

QY	773	TTGTGAAGTCTGACTATGTAGTCAAATATAATCTTAAATGAACGTCGTGAACGCAC	832
Db	959	TTGTGAAGTCTGACTATGTAGTCAAATACAATCTTAAATGAACGTCGTGAACGCACAT	1018
QY	833	TGAAAAACACAGATATCAAAGTTGTGACTTTGGAAGTGCACCTGTATGATGAACATC	892
Db	1019	TGAAAAACACAGATATCAAAGTTGTGATTTTGGAAAGTGCACATATGACGACCAATC	1078
QY	893	ACAGTACTTTGTGTCTACCCGGCACTACAGAGCTCCCGAGGTCAATTTGGCTTTAGGTT	952
Db	1079	ATAGTACTTTGTGTCTACCAAGGCCTACAGGGCTCCAGAGGTCAATTTGGCTCTAGGTT	1138
QY	953	GGTCTCAGCCTGTGTATTTGGAGCATAGTGTGCAATTTCTTAAATATTACCTTTGGTT	1012
Db	1139	GGTCTCAGCCTGTGTATTTGGAGCATAGGCTGTCAATTTCTTAAATATTACCTTTGGTT	1198
QY	1013	TCACAGTCTTTTCAAGCCAGTAGTAAAGAGCACCTGGCAATGTATGGAGCGGATCTTAG	1072
Db	1199	TCACAGTCTTTTCAAGCCAGTAGTAAAGAGCACCTGGCAATGTATGGAGCGGATCTTAG	1258
QY	1073	GACCCATACCACACATGATTCAGAAACAGAAACGCAAGTATTTTCCACCAATACC	1132
Db	1259	GACCCATACCACACATGATTCAGAAACAGAAACGCAAGTATTTTCCACCAATACC	1318
QY	1133	AGCTAGATGGGATGAACAGATTTCTGCTGTAGATATGTTAGGAGACGCTGCAACCGT	1192
Db	1319	AGCTAGATGGGATGAACAGATTTCTGCTGTAGATATGTTAGGAGACGCTGCAACCGT	1378
QY	1193	TGAAGGAATTTATGCTTTGTCATGATGAAGAACATGAGAACTGTTGACCTGGTTCGAA	1252
Db	1379	TGAAGGAATTTATGCTTTGTCATGATGAAGAACATGAGAACTGTTGACCTGGTTCGAA	1438
QY	1253	GAATGTTAGATATGATCCAACTCAAAGAAATTAACCTTTGGATGAAGCAATTCAGACCTT	1312
Db	1439	GAATGTTAGATATGATCCAACTCAAAGAAATTAACCTTTGGATGAAGCAATTCAGACCTT	1498
QY	1313	TCCTTTGACTTTATAAAAAGAAA	1335
Db	1499	TCCTTTGACTTTATAAAAAGAAA	1521

RESULT 9  
US-10-425-114-26212  
; Sequence 26212, Application US/10425114  
; Publication No. US2004003488A1  
; GENERAL INFORMATION:  
; APPLICANT: Zhou Yihua  
; APPLICANT: Zhou Yihua  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Screen, Steven E.  
; APPLICANT: Tabaska, Jack E.  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(5313)B  
; CURRENT APPLICATION NUMBER: US/10/425,114  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 73128  
; SEQ ID NO 26212  
; LENGTH: 3040  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: Clone ID: LIB4115-001-H8\_FLI  
US-10-425-114-26212  
Query Match 72.5%; Score 968.4; DB 18; Length 3040;  
Best Local Similarity 99.9%; Pred. No. 8.5e-258; Indels 0; Gaps 0;  
Matches 969; Conservative 1; Mismatches 1;  
QY 366 ATATCAATCGTGGACACTTTGGGTGAAGAGCCCTTTGGCAAGTGTAGTGCATTGA 425



Db	2846	ACATCATGTTTCAGAAACACAGAAAAACCAAGTATTTTCCACCATAAACGAGCTAGATTGGGA	2900
Qy	1146	TGAACACAGATTCTGCTGGTATAGATATGTTTAGGAGACGCTGCAAAACCGTTGAAGGAATTTAT	1205
Db	2906	TGAACACAGATTCTGCTGGTATAGATATGTTTAGGAGACGCTGCAAAACCGTTGAAGGAATTTAT	2965
Qy	1206	GCCTTGTCTATGATGAAGACATCAGAAACTGTTTGAACCTGGTTTCGAGAGATGTTAGAAATA	1265
Db	2966	GCCTTGTCTATGATGAAGAACATCAGAAACTGTTTGAACCTGGTTTCGAGAGATGTTAGAAATA	3025
Qy	1266	TGATCCAACTCAAAGAAATTACCTTGGATGAAGCATTTGCAGCATCCCTTTCTTGACATTATT	1325
Db	3026	TGATCCAACTCAAAGAAATTACCTTGGATGAAGCATTTGCAGCATCCCTTTCTTGACATTATT	3085
Qy	1326	AAAAAAGAAA	1335
Db	3086	AAAAAAGAAA	3095
RESULT 11			
US-10-267-502-136			
; Sequence 136, Application US/10267502			
; Publication No. US20040071700A1			
; GENERAL INFORMATION:			
; APPLICANT: Kim, Jaeseob			
; APPLICANT: Galant, Ron			
; TITLE OF INVENTION: Obesity Linked Genes			
; FILE REFERENCE: LSD-07416			
; CURRENT APPLICATION NUMBER: US/10/267,502			
; CURRENT FILING DATE: 2003-01-27			
; NUMBER OF SEQ ID NOS: 439			
; SOFTWARE: PatentIn version 3.2			
; SEQ ID NO 136			
; LENGTH: 1455			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
US-10-267-502-136			
Query Match 60.9%; Score 813.2; DB 18; Length 1455;			
Best Local Similarity 77.6%; Pred. No. 7.5e-215;			
Matches 999; Conservative 0; Mismatches 283; Indels 6; Gaps 1;			
Qy	52	AGTCATTATTTAGAACGAAGGTCCTTGAATGAGCGAGATTATCGGGACCGAGATACGTT	111
Db	160	AGCCATTATTTGGAAGCAGGTCCTATAAATGAGAAAGATTATCATAGTCGACGCTACATT	219
Qy	112	GACGAATACAGGAATGACTACTCTGGAAGNATGTTCTTAGACATTATCACAGAGACATT	171
Db	220	GATGAGTACAGNAATGACTACACTCAAGGATGTAACCTTGGACATCGCCAAAGAGACCAT	279
Qy	172	GAAGCGGGTATCGAATCCACTCGATTAATCTTCAGTCGCGAGCAGGAGAAGCAGTCCT	231
Db	280	GAAGCCGGTATCAGAACCATAGTAGCAAGTCTTCTGGTAGAAGTGGAGAGATGTTAT	339
Qy	232	AAAAGGAAGCGCAATAGACAC-----TGTTCAAGTCATCAGTCACGTTCCGAAGAGCCAC	285
Db	340	AAAAGCAACACAGGATTCACCACAGTACTTCATCATCGTCGTTTCACATGGGAAGAGTCAC	399
Qy	286	CGAAGGAAAGATCCAGGAGTATAGAGATGATGAGGAGGGTCACCTGATCTGTCAAAGT	345
Db	400	CGAAGGAAAGAACACAGGAGTGTAGAGGATGATGAGGAGGGTCACCTGATCTGTCTAGAGT	459
Qy	346	GGAGAGCTTCTAAGACCAAGATATGAAATCGTCGACACTTTTGGGTGAAGGAGCCTTTGGC	405
Db	460	GGAGAGCTGCTAAGTCAAGATATGAAATGTTGTATCTTTAGGTGAAGGAGCCTTTTGGG	519
Qy	406	AAAGTTGTAGAGTGCATTGATCATATGGCATGGATGGCATGTCATGTAGCAGTGA AAAATCGTA	465
Db	520	AAAGTTGTGAGTGCATCGATCATATAAGCGGAGGTAGACATGTAGCAGTAAAAATAGTT	579
Qy	466	AAAAATGTAGCCGTTTACCGTGAAGCAGCTCGTTCTAGAAATCCAAAGTATTAGAGCACTTAA	525
Db	580	AAAAATGTGATAGATACTGTGAAGTGTCTCGCTCAGAAATACAAAGTCTCTGGAAACATCTG	639

		FEATURE:	
		NAME/KEY: CDS	
		LOCATION: (156) ... (1610)	
		US-10-154-708-3	
		Query Match	
		Best Local Similarity 60.7%; Score 810; DB 17; Length 1834;	
		Matches 997; Conservative 0; Mismatches 285; Indels 6; Gaps 1;	
QY	526	AAATAGTACTGATCCCAATAGTCTCTCCGATGTGTCAGATGCTAGAAATGCTTTGATCAT	585
DB	640	AAATACACAGACCCCAACAGTACTCTTCCGCTGTGTCAGATGTTGGAATGCTTTGAGCAT	699
QY	586	CATGGTCACTGTTGTTATGTTGTTGAACACTCTAGGACCTTAGTACTTACGATTTCAATAAA	645
DB	700	CATGGTCACTGTTGCTGTTGTTGTTGAACACTTATGGGACTTAGTACTTACGATTTCAATAAA	759
QY	646	GAAAACAGCTTCTGCGCATTTCAAAATGACACATCAGCAGATGCGGTATCAGATCTGC	705
DB	760	GAAAATGGTCTTCTACCAATTTCCGCTGGATCATATCAGAAAGATGCGATATCAGATATGC	819
QY	706	CAGTCAATAAATTTTTTACATCATATAAATAAATTAACCCATACAGATCTGAAGCCTGAAAT	765
DB	820	AAGTCTGTGNAATTTTTTGACAGTATATAGTTGACTCACACAGACTTAAAGCCTGAAAAC	879
QY	766	ATTTTGTGTTGAAGTCTGACTATGATCAAAATATATTTCTAAATGAAAGCTGATGAA	825
DB	880	ATCTTATTTGTCAGTCTGACTACACAGAGGCGGTATTAATCCCAAAATAAAGCGTATGAA	939
QY	826	CGCACACTGAAAACACAGATATCAAAATGTTGACTTTGGAGTGCACACGCTATGATGAT	885
DB	940	CGCACCTTAATAATCCAGATATTAAGTTGTAGACTTTTGGTAGTGCACACATATGATGAC	999
QY	886	GAAATCACAGTACTTTGGTGTCTACCCGCACTACAGAGCTCCCGAGTCAATTTGGCT	945
DB	1000	GAAATCACAGTACTTTGGTGTCTACCAAGACATATATAGAGCACTGAAGTATTTTAGCC	1059
QY	946	TTAGTTGGTCTAGCCTCTGATGTTTGGAGCATAGGTTGCACTTCTTATTTGAATATTAC	1005
DB	1060	CTAGGGTGGTCCCAACCATGTGATGCTCGAGCATAGGATGCACTTCTTATTTGAATATTAT	1119
QY	1006	CTTGGTTCACAGTCTTTTCAGACTCATGATAGTAAGAGACCTCGCAATGATGGAACA	1065
DB	1120	CTTGGTTCACGATTTTCCAAACACAGATAGTAAGGAGCATTTAGCAATGATGGAAGG	1179
QY	1066	ATATTAGACCCATACCAACACATGTTTCAGAAACAGAAACAGCAAGTATTTTCAC	1125
DB	1180	ATTTCTGGACCTCTACCAAAACATATGATACAGAAACACAGGAAACGTAATTTTCAC	1239
QY	1126	CATACACAGCTAGATTGGGATGAACACAGTCTCTGCTGTAGATATGTTAGGACGCTGC	1185
DB	1240	CAGATCGATTAGACTGGGATGAACACAGTCTCTCGGCGAGATATGTTTCAAGACGCTGT	1299
QY	1186	AAACCGTTGAAGGAATTTATGCTTTGATGATGAAGAAACATGAAACTGTTTGACCTG	1245
DB	1300	AAACCTCTGAAGGAATTTATGCTTTCTCAAGATGTTGAACATGAGCGTCTCTTTGACCTC	1359
QY	1246	GTTCCAGAGATGTTAGATATGATCCAACTCAAGAAATTTACCTTTGGATGAAGCATTCGAG	1305
DB	1360	ATTCAGAAATGTTGGATGATGATGCCCAAGAAATTTACTCTCAGAGAAAGCCTTAAAG	1419
QY	1306	CATCCTTTCTTTGACTTTATTAAGAAAGA	1333
DB	1420	CATCCTTTCTTTGACTTTCTGAAGAAA	1447
RESULT 12			
US-10-154-708-3			
Sequence 3, Application US/10154708			
Publication No. US20030219895A1			
GENERAL INFORMATION:			
APPLICANT: Andrew T. Watt			
TITLE OF INVENTION: ANTISENSE MODULATION OF CDC-LIKE KINASE 1 EXPRESSION			
FILE REFERENCE: R1S-0213			
CURRENT APPLICATION NUMBER: US/10/154,708			
CURRENT FILING DATE: 2002-05-22			
NUMBER OF SEQ ID NOS: 143			
SEQ ID NO 3			
LENGTH: 1834			
TYPE: DNA			
ORGANISM: H. sapiens			

QY 1006 CTTGGTTTACAGTCTTTTACAGACTCATGATAGTAAAGAGACCTGGCAATGATGGAACGA 1065  
DB 1275 CTTGGGTTTACCGTATTTTCCAAACACACGATAGTAAAGAGCATTTAGCAATGATGGAAGG 1334  
QY 1066 ATATTAGGACCCATACCAACACATGATTTCAGAAAAACAAGAAAAACCAAGATATTTTTCAC 1125  
DB 1335 ATCTTGGACCTTACCAAAACATATGATACAGAAAAACCAAGAAACGTAATATTTTTCAC 1394  
QY 1126 CATAACGAGCTAGATTGGGATGAACACAGTTCTCTGCTGTAGATATGTTAGGAGACGCTGC 1185  
DB 1395 CACGATCGATTAGACTGGGATGAACACAGTTCTCTCGCGCAGATATGTTTCAAGAGCCTGT 1454  
QY 1186 AAACCGTTGAAGGAATTTATGCTTTTGCATGATGAAGAACATGAGAAACTGTTTGAACCTG 1245  
DB 1455 AAACCTCTGAAGGAATTTATGCTTTTCTCAAGATGTTGAACATGAGCGTCTCTTTGACCTC 1514  
QY 1246 GTTCGAAGAATGTTAGAAATGATGATCAACCTCAAGAAATTTACCTTGGATGAAGCATTCGAG 1305  
DB 1515 ATTGAGAAATGTTGGAGTATGATCCAGCCAAAGAAATTTACTCTCAGAGAAGCCTTAAAG 1574  
QY 1306 CATCTTTCTTTGACTTTATTAAGAAAGA 1333  
DB 1575 CATCTTTCTTTGACCTTCTGAAGAAA 1602

## RESULT 13

US-10-755-889-1  
; Sequence 1, Application US/10755889  
; Publication No. US20040171823A1  
; GENERAL INFORMATION:  
; APPLICANT: Bristol-Myers Squibb Company  
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES ASSOCIATED WITH THE NP-kB  
; FILE OF INVENTION: PATHWAY  
; FILE REFERENCE: D0284 NP  
; CURRENT APPLICATION NUMBER: US/10/755,889  
; CURRENT FILING DATE: 2004-01-13  
; PRIOR APPLICATION NUMBER: U.S. 60/440,068  
; PRIOR FILING DATE: 2003-01-14  
; PRIOR APPLICATION NUMBER: U.S. 60/469,757  
; PRIOR FILING DATE: 2003-05-12  
; NUMBER OF SEQ ID NOS: 823  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 1  
; LENGTH: 1834  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-755-889-1

Query Match 60.7%; Score 810; DB 19; Length 1834;  
Best Local Similarity 77.4%; Pred. No. 6.6e-214;  
Matches 997; Conservative 0; Mismatches 285; Indels 6; Gaps 1;  
QY 52 AGTCATTATTAGAGCAAGGTCCTTGAATGAGCGAGATATTCGGGACCGGAGATACGTT 111  
DB 315 AGCCATTATTGGAAAGCAGGCTCTATAAATGAGAAAGATTTATCATATGTCGACGCTACAT 374  
QY 112 GACGAATACAGGAATGACTACTGTGAAGGATATGTTCTTAGACATATATACAGAGACATT 171  
DB 375 GATGAGTACAGAAATGACTACTCACTCAAGGATGTGAACCTGGACATCCCAAGAGACCAT 434  
QY 172 GAAAGCGGATCGAATCCACTGTCAGTAAATCTTTCACTCCGACGACGAGAGACAGTCT 231  
DB 435 GAAAGCGGATCAGAACCATAGTAGCAAGTCTTCTGTTAGAGTGGGAAGATAGTTAT 494  
QY 232 AAAGGAGCGCATAGACAC-----TGTTCAAGTATCATGTCACGTTGAGAGCCAC 285  
DB 495 AAAGCAAAACACAGGATTTCAACCAAGTCTTCACTCGTCTGTTCAATGGAAGAGATCAC 554  
QY 286 CGAAGGAAAGATCCAGGATATAGAGGATGATGAGGAGGTCACCTGATCTGTCAAAGT 345  
DB 555 CGAAGGAAAGACCAAGGATGTAGAGGATGATGAGGAGGTCACCTGATCTGTCAAGT 614

## RESULT 14

US-10-956-157-1175  
; Sequence 1175, Application US/10956157  
; Publication No. US20050118625A1

QY 346 GGAGACGTTCTAAGAGCAAGATATGAAATCGTGACACTTTTGGTGAAGGAGCCTTTGGC 405  
DB 615 GSAGACGTACTAAGTGCAGAGATATGAAATTTGTTGATACTTTAGGTGAAGGAGCCTTTTGG 674  
QY 406 AAAGTTGTAGAGTGCATTGATCATGGCATGGATGGCATGATGTAGCAGTGAAGAAATCGTA 465  
DB 675 AAAGTTGTGAGTGCATCGATCATAAAGCGGAGGTAGACATGTAGCAGTAAAGAAATAGTT 734  
QY 466 AAAAATGTAGCCCGTTTACCGTGAAGCAGCTCGTTTCAAGAAATCCAAGTATTAGAGCACTTA 525  
DB 735 AAAAATGTGATAGATACTGTGAAGCTGCTCGCTCAGAAATACAAGTTCTTGAACACTGTG 794  
QY 526 AATAGTACTGATCCCAATAGTGTCTCCGATGTGTCAGAGTGTGAGATGGTTTGTATCAT 585  
DB 795 AATACAACAGACCCCAACAGTACTTCCCGCTGTGTCAGATGTTGGAAATGGTTTGAAGCAT 854  
QY 586 CATGGTCACTGTTTGTATTGTTGAACTACTCGGACTTAGTACTTACGACTTTCATTAAA 645  
DB 855 CATGGTCACTGTTGCAATGTTTGTGAACTATTGGACTTAGTACTTACGACTTTCATTAAA 914  
QY 646 GAAAAACAGCTTTCTGCCATTTCAAATTTGACCAATCAGGCAGATGGCGTATCAGATCTGC 705  
DB 915 GAAAAATGGTTTCTACCATTTTCGACTGGATCATATCAGAAAGATGGCATATCAGATATGC 974  
QY 706 CAGTCAATAAATTTTTCATCATATAAATTAACCATACAGATCTGAAGCCCTGAAAT 765  
DB 975 AAGTCTGTGAATTTTGTGACAGTAATAAGTTGACTCACAAGACTTTAAAGCCCTGAAAC 1034  
QY 766 ATTTTGTGTGAAGTCTGACTATGTAGTCAAAATATAATTTCTAAATGAAACGATGATGAA 825  
DB 1035 ATCTTATTGTGAGTCTGACTACACAGAGCGGTATATNTCCAAATATAAAGCTGATGAA 1094  
QY 826 CGCACACTGAAAAACACAGATATCAAAGTTGTTGACTTTTGGAAAGTGAACGATATGATGAT 885  
DB 1095 CGCACCTTAAATAATCCAGATATTAAGTTGTAGACTTTTGGTAGTGAACATATGATGAC 1154  
QY 886 GAACATCAGAGTACTTTGGTGTCTACCCGCACTACAGAGCTCCCGAGGTCATTTTGGCT 945  
DB 1155 GAACATCAGAGTACTTTGGTGTCTACCAAGACATTTATAGAGCACTTGAAGTTATTTTAGCC 1214  
QY 946 TTAGGTTGGTCTCAGCCTTGTGATGTTTGGAGCATAGGTTGTCATTCTTTTGAATATTAC 1005  
DB 1215 CTAGGTTGGTCCCAACCATGATGTTCTGGAGCATAGGATGCAATCTTTTGAATACTAT 1274  
QY 1006 CTTGGTTTACAGTCTTTTACAGACTCATATAGTAAAGAGACCTTGGCAATGATGGAACGA 1065  
DB 1275 CTTGGGTTTACCGTATTTTCCAAACACAGATAGTAAAGGAGCATTTAGCAATGATGGAAGG 1334  
QY 1066 ATATTAGGACCCATACCAACACATGATTTCAAGAAACAGAAACCAAGCAAGTATTTTCAC 1125  
DB 1335 ATTTTGGACCTCTACCAAAACATATGATACAGAAAAACAGGAAACGTAATATTTTTCAC 1394  
QY 1126 CATAACGAGCTAGATTGGGATGAACACAGTTCCTGCTGTAGATATGTTAGAGACGCTGC 1185  
DB 1395 CAGATCGATTAGACTGGGATGAACACAGTTCCTCGGCGAGATATGTTTCAAGAGCCTGT 1454  
QY 1186 AAACCGTTGAAGGAATTTATGCTTTTGTATGATGAAGAAACATCAGAAACTGTTTGAACCTG 1245  
DB 1455 AAACCTCTGAAGGAATTTATGCTTTTCTCAAGATGTTGAACATGAGCGTCTCTTTGACCTC 1514  
QY 1246 GTTCGAAGAATGTTAGAAATGATCCAACTCAAGAAATTTACCTTGGATGAAGCATTCGAG 1305  
DB 1515 AATCAGAAATGTTGGAGTATGATCCAGCCAAAGAAATTTACTCTCAGAGAAGCCTTAAAG 1574  
QY 1306 CATCTTTCTTTGACTTTATTAAGAAAGA 1333  
DB 1575 CATCTTTCTTTGACCTTCTGAAGAAA 1602

Db	1095	CGCACCTTAATAAATCCAGATATTAATAAGTTGTGTAGACTTTGGTAGTGCACATATGATGAC	1155
Db	1095	CGCACCTTAATAAATCCAGATATTAATAAGTTGTGTAGACTTTGGTAGTGCACATATGATGAC	1155
Qy	886	GAACATACAGTACTTTGGTCTCTACCGGCACCTACAGAGCTCCCGAGGTCATTTTGGCT	945
Db	1155	GAACATACAGTACTTTGGTCTCTACCGGCACCTACAGAGCTCCCGAGGTCATTTTGGCT	1214
Qy	946	TTAGGTGCTCTCAGCCCTTGTGATGTTTGGAGCAGTAGGTTGCATTTCTTATTTGAATATAC	1005
Db	1215	CTAGGGTGGTCCCAACCATGTGATCTCTGGAGCATAGGATGCAATCTTATTTGAATATAC	1274
Qy	1006	CTTGGTTTACAGTCTTTTCCAGACTCATGATAGTAAGAGCACCCTGGCAATGATGGAACGA	1065
Db	1275	CTTGGTTTACAGTCTTTTCCAGACTCATGATAGTAAGAGCACCCTGGCAATGATGGAACGA	1334
Qy	1066	ATATTAGGACCCATACACACACATGATTCAGAAAAACGAAAAACGCAAGTATTTTTCAC	1125
Db	1335	ATTTTGGACCTCTACCAAAACATATGATACAGAAAAACGAAAAACGTAATATTTTTCAC	1394
Qy	1126	CATAACCACTAGATTGGGATGAACACACAGTTCTGCTGTGATGATGTTTGGAGAGCGCTGC	1185
Db	1395	CACGATCGATTAGACTGGGATGAACACAGTTCTGCTGTGATGATGTTTGGAGAGCGCTGC	1454
Qy	1186	AAACCGTTGAAGGAATTTATGCTTTGTCATGATGAAGAACATGAGAACTGTTTGACCTG	1245
Db	1455	AAACCTCTGAAGGAATTTATGCTTTTCAAGATGTTGAACATGAGCGTCTCTTTGACCTC	1514
Qy	1246	GTTTGAAGGAATTTAGAAATATGATCAACTCAAAAGATTTACCTGGATGAAGCATTTGCGAG	1305
Db	1515	ATTCAAGAAATGTTGGAGTATGATCCAGCAAAAGATTTACTCTCAGAGAAAGCTTAAAG	1574
Qy	1306	CATCTCTTTCTTTGACTTTTAAAAAAGA	1333
Db	1575	CATCTCTTTCTTTGACTTTTGAAGAAA	1602
<p> <b>RESULT 15</b>            US-10-267-502-139            ; Sequence 139, Application US/10267502            ; Publication No. US20040071700A1            ; GENERAL INFORMATION:            ; APPLICANT: Kim, Jaeseob            ; APPLICANT: Galant, Ron            ; TITLE OF INVENTION: Obesity Linked Genes            ; FILE REFERENCE: LSD-07416            ; CURRENT APPLICATION NUMBER: US/10/267,502            ; CURRENT FILING DATE: 2003-01-27            ; NUMBER OF SEQ ID NOS: 439            ; SOFTWARE: PatentIn version 3.2            ; SEQ ID NO 139            ; LENGTH: 1452            ; TYPE: DNA            ; ORGANISM: Mus musculus            US-10-267-502-139         </p>			
<p> <b>Query Match</b> 57.6%; <b>Score</b> 768.8; <b>DB 18</b>; <b>Length</b> 1452;  <b>Best Local Similarity</b> 75.9%; <b>Pred. No.</b> 1.6e-202;  <b>Matches</b> 979; <b>Conservative</b> 0; <b>Mismatches</b> 302; <b>Indels</b> 9; <b>Gaps</b> </p>			
Qy	51	CAGTCATTATTTAGAAAGCAAGTCTTTGAATGAGCAGATATTTCGGGACCGGAGATACGT	110
Db	159	CAGTCATTATTTAGAAAGCAAGTCTTTGAATGAGCAGATATTTCGGGACCGGAGATACGT	218
Qy	111	TGACGAATACAGGAATGACTACTGTGAAGGATATGTTCTTAGACATTATCACAGAGACAT	170
Db	219	TGATGAATACAGGAATGACTACTGTGAAGGATATGTTCTTAGACATTATCACAGAGACAT	275
Qy	171	TGAAGCGGTGATCGAATCCACTGCAGTAAATCTTTCAGTCCGACAGCAGGAGAGACAGTCC	230
Db	276	TGAAGCGGTGATCGAATCCACTGCAGTAAATCTTTCAGTCCGACAGCAGGAGAGACAGTCC	333
Qy	231	TAAAAGGAAGCGCAATAG-----ACACTGTTTCAAGTCACTCAGTTCAGAGAGCCA	288

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Job time : 865.014 secs

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Db      336  CAAAAGTAAACACAGGAGTCCACACACACTTCGACGACCATTACACGGGAAGTCA 395
Qy      285  CCGAAGGAAAGATCCAGGAGTATPAGAGGATGATGAGGAGGTCACCTGATCTGTCAAAG 344
Db      396  CCGAAGGAAAGATCGAGGAGTGTAGAGGATGATGAGGAGGTCACCTGATCTGTCAAG 455
Qy      345  TGGAGAGCTTCTAAGAGCAAGATATGAANTCGTGGACACTTTGGGTGAAGGACCTTTGG 404
Db      456  TGGAGAGCTATTAAGTCCAGATATGAANTTGTGTGATACCTTAGGTGAAGGTGCTTTCCG 515
Qy      405  CAAAGTTGTAGATGTCATTCATGCGCATGGATGGCATGCGATGCTAGCAGTGAATAATCGT 464
Db      516  ABAAGTGGTGGATGCAATCGATCATAAAGTGGGAGGTAGAGGTGTCAGCTGAATAATAGT 575
Qy      465  AAAAAATGTAGGCGGTACCGGTGAAGCAGCTCGTTTCAGAAATCCAAATATPAGAGCACTT 524
Db      576  TAAAAATGTGATAGACTGTGAAGCTGTCAATCGNAATACAAGTTTTGGAAACACTT 635
Qy      525  AATAGTACTGATCCCAATAGTGTCTCCGATGTCCTCAGATGCTCAGATGCTAGATGGTTGATCA 584
Db      636  GAATACAAACAGACCCCATAGTACTTCCGTTGTCCAGATGTTGGAGTGGTTTGAGCA 695
Qy      585  TCATGGTCATGTTTGTATTGTTGTAATCTAGTGGGACTTTAGTACTTTACGATTTCAATTA 644
Db      696  TCGAGGTCACTTTGCAATGTTGTAATCTTGGGGCTTTAGTACTTTATGATTTCAATTA 755
Qy      645  AGAAAAACAGCTTTCTGCCATTTCAAATTTGACCATCAGGAGATGCGGTATCAGATCTG 704
Db      756  GGAATAACAGTTTTCTGCGCTTTTGAATGGATCATATCAGGAAGATGCGCATATCAATATG 815
Qy      705  CCAGTCAATAAATTTTTTACATCATATTAATTAACCCATACAGATCTGAAGCCTGAAAA 764
Db      816  CAAATCTGTAACACTTTTTTGATAGTAAATTAATGACTCATACAGACTTGAAGCCTGAAAA 875
Qy      765  TATTTTGTGTGAAGTCTGACTATGTAGTCAATATAATTTCTAAATGAAACGTGATGA 824
Db      876  CATCTTAATTTGTGAAGTCTGACTACAGAGGCTTTAATCCCAAAATGAACGTGATGA 935
Qy      825  ACGCACACTGAAAAACACAGATATCAAAGTTGTTGACTTTTGGAAAGTGCACAGTATGATGA 884
Db      936  ACGTACTATAGTAAATCCAGATATTAAGTGGTGGACTTTTGGAAAGTGCACATATGATGA 995
Qy      885  TGAACATCACAGTACTTTGGTGTCTACCGGCACTACAGAGCTCCCGAGGTCAATTTGGC 944
Db      996  TGAACACCACAGCACATTTGGTATCTACAAGACATTTATAGACACCCGGAAGTTATTTAGC 1055
Qy      945  TTTAGGTTGGTCTCAGCCTTGTGATGTTTGAGCATAGGTTGCATTTCTTATTGAATATTA 1004
Db      1056  CCTCGGTGTCACAGCCATGTGATGTCGGAGCATAGGATGTAATCTTATCGAGTATTA 1115
Qy      1005  CTTGGTTTTCACAGTCTTTTCAGACTCATGATPAGTAAAGAGCACCTGGCAATGATGGAACG 1064
Db      1116  TCTTGGATTTACAGTTTTCCGACTCATGATAGCAGGGAACATTTAGCAATGATGGAAG 1175
Qy      1065  AATATTAGGACCCATACACACACATGATTCAGAAAAAAGAAAAACGCAAGTATTTTCA 1124
Db      1176  GATTCCTTGGACCACTACCAAGACATGATACAGAAAAACAGGAAACCGCAGATATTTCCA 1235
Qy      1125  CCATAACACAGCTAGATTTGGGATGAACACAGTTCTGCTGGTGTAGATGTTAGGAGACGCTG 1184
Db      1236  TCATGATCGATTGATTTGGGATGAACACAGTTCTGCTGGCAGATATGTTTCTCGGCGCTG 1295
Qy      1185  CAAACCGTTGAAGGAATTTATGCTTTGTTCATGATGAAGAACATGAGAAACTGTTTGACCT 1244
Db      1296  TAAACCTCTGAAGGAGTTTATGCTATCTCAGGATGCCGAACATGAGCTTCTCTTTGACCT 1355
Qy      1245  GGTTCGAAGAAATGTTAGATATGATCCAACTCAAAGAAATTTACCTTGGATGAGCAATTGCA 1304
Db      1356  CATTTGGGAAATGTTGGAGTATGATCCCGCCAAAGAAATTAATCTCTAAAGAAAGCCCTAAA 1415
Qy      1305  GCATCCTTTCTTTCGACTTATTAATAAGAA 1334
Db      1416  GCATCCTTTCTTTTACCCACTTAAAAAGCA 1445
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GenCore version 5.1.6  
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1335	100.0	2354	3	US-09-810-671-1
2	1335	100.0	2354	4	US-10-109-854-1
3	1335	100.0	2354	4	US-10-339-856-1
4	1094.2	82.0	1549	4	US-09-905-999-26
5	1088.2	81.5	2446	2	US-09-016-000-9
6	638.4	47.8	2254	4	US-09-919-039-238
7	481.2	36.0	1538	4	US-09-905-999-22
8	454.8	34.1	1787	4	US-09-905-999-24
9	432.4	32.4	1762	4	US-09-016-434-1439
10	430.8	32.3	1763	4	US-09-949-016-2648
11	430.8	32.3	1763	4	US-09-949-016-2649
12	430.8	32.3	1788	4	US-09-976-594-313
13	360.2	27.0	1456	4	US-09-023-655-699
14	263	19.7	263	4	US-09-016-434-310
15	226	16.9	21234	3	US-09-810-671-3
16	226	16.9	21234	4	US-10-109-854-3
17	226	16.9	21234	4	US-10-339-856-3
18	223.2	16.7	913	4	US-09-016-434-712
19	203.4	15.2	492	4	US-09-621-976-3125
20	185.4	13.9	479	4	US-09-621-976-3124
21	123.8	9.3	378	1	US-08-700-575-2
22	95.2	7.1	2061	2	US-08-835-170-1
23	95.2	7.1	2061	3	US-09-359-257-1
24	95.2	7.1	2061	3	US-09-371-674-1
25	95.2	7.1	2327	2	US-08-835-170-3
26	95.2	7.1	2327	3	US-09-359-257-3
27	95.2	7.1	2327	3	US-09-371-674-3

28	89	6.7	621	4	US-09-248-796A-4385	Sequence 4385, Ap
29	84.8	6.4	308	4	US-09-621-976-9631	Sequence 9631, Ap
30	81.4	6.1	260	4	US-09-313-294A-2299	Sequence 2299, Ap
31	75.6	5.7	3723	4	US-09-949-016-3590	Sequence 3590, Ap
32	75.6	5.7	71251	4	US-09-949-016-15332	Sequence 15332, A
33	68.8	5.2	282	4	US-09-313-294A-1168	Sequence 1168, Ap
34	67.2	5.0	2424	4	US-09-614-221A-518	Sequence 518, App
35	66.4	5.0	466	4	US-09-513-999C-11373	Sequence 11373, A
36	66	4.9	362	4	US-09-513-999C-14437	Sequence 14437, A
37	61.8	4.6	25882	4	US-09-949-016-14390	Sequence 14390, A
38	58.6	4.4	2085	2	US-09-949-016-14391	Sequence 14391, A
39	58.6	4.4	2085	3	US-08-802-466-1	Sequence 1, Appli
40	58.6	4.4	2085	3	US-09-350-484-1	Sequence 1, Appli
41	57.8	4.3	3565	3	US-09-749-588-1	Sequence 1, Appli
42	57.8	4.3	3565	4	US-10-135-687-1	Sequence 1, Appli
43	57.8	4.3	36159	3	US-09-749-588-3	Sequence 3, Appli
44	57.8	4.3	36159	4	US-10-135-687-3	Sequence 3, Appli
45	57.2	4.3	7218	1	US-08-232-463-14	Sequence 14, Appl

ALIGNMENTS

RESULT 1

US-09-810-671-1  
; Sequence 1, Application US/09810671  
; Patent No. 6455291  
; GENERAL INFORMATION:  
; APPLICANT: YAN, Chunhua et al  
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC  
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES  
; TITLE OF INVENTION: THEREOF  
; FILE REFERENCE: CL000758  
; CURRENT APPLICATION NUMBER: US/09/810,671  
; CURRENT FILING DATE: 2001-06-08  
; NUMBER OF SEQ ID NOS: 5  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1  
; LENGTH: 2354  
; TYPE: DNA  
; ORGANISM: Human  
US-09-810-671-1

Query Match		100.0%;	Score 1335;	DB 3;	Length 2354;
Best Local Similarity		100.0%;	Pred. No. 0;		
Matches 1335;		Conservative	0;	Mismatches	0;
				Indels	0;
				Gaps	0;
Qy	1	ATGTGCATCCCTCTTGAAGCTTCGCACCTCTGTTGAAGAGGACACTCATCCAGTCATTAT	60		
Db	33	ATGTGCATCCCTCTTGAAGCTTCGCACCTCTGTTGAAGAGGACACTCATCCAGTCATTAT	92		
Qy	61	TTAGAAGCAAGGTCTTGAATGAGCGAGATTATCGGACCGGAGATACGTTGACGAATAC	120		
Db	93	TTAGAAGCAAGGTCTTGAATGAGCGAGATTATCGGACCGGAGATACGTTGACGAATAC	152		
Qy	121	AGGAATGACTACTGTGTAAGGATATGTTCTAGACATTATCACAGAGACATTGAAAGCGGG	180		
Db	153	AGGAATGACTACTGTGTAAGGATATGTTCTAGACATTATCACAGAGACATTGAAAGCGGG	212		
Qy	181	TATCGAATCCACATGTCAGTAATCTTCAGTCGCGAGGAGGAGACAGTCCTTAAAGGAAG	240		
Db	213	TATCGAATCCACATGTCAGTAATCTTCAGTCGCGAGGAGGAGACAGTCCTTAAAGGAAG	272		
Qy	241	CGCAATAGACACTGTTCAAGTCATCAGTCACGTTTGAAGAGCCACCGAAGAAAGATCC	300		
Db	273	CGCAATAGACACTGTTCAAGTCATCAGTCACGTTTGAAGAGCCACCGAAGAAAGATCC	332		
Qy	301	AGGAGTATAGAGGATGATGAGGAGGTACCTGATCTGTCAAGTGGAGAGCTTCTAAGA	360		
Db	333	AGGAGTATAGAGGATGATGAGGAGGTACCTGATCTGTCAAGTGGAGAGCTTCTAAGA	392		
Qy	361	GCAGATATGAATCGTGGACACTTTGGGTGAAGGAGCCTTGGCAAGTTGTAGATGC	420		

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; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE OF INVENTION: THERIOF
; FILE REFERENCE: CL000758DIV
; CURRENT APPLICATION NUMBER: US/10/109,854
; CURRENT FILING DATE: 2002-04-01
; PRIOR APPLICATION NUMBER: 60/227,470
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: 09/810,671
; PRIOR FILING DATE: 2001-03-19
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 2354
; TYPE: DNA
; ORGANISM: Homo sapien
US-10-109-854-1

Query Match      100.0%; Score 1335; DB 4; Length 2354;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1335; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

393 GCAAGATATGAATCGTGGACACATTGGGTGAAGAGCGCTTTGGCAAAAGTTGTAGAGTCG 452
421 ATTGATCATGGCATGGATGGCATGATGTAGCAGTGAAAATCGTAAATAATGTAGCCGCT 480
453 ATTGATCATGGCATGGATGGCATGATGTAGCAGTGAAAATCGTAAATAATGTAGCCGCT 512
481 TACCGTGAAGCAGCTCGTTTCAAGAAATCAAGTATTAGAGCACTTAAATAGTACTGATCCC 540
513 TACCGTGAAGCAGCTCGTTTCAAGAAATCAAGTATTAGAGCACTTAAATAGTACTGATCCC 572
541 AATAGTGTCTTCCGATGTGTCCAGATGCTAGAAATGTTTGAATGATCATCATGTCTGTTGT 600
573 AATAGTGTCTTCCGATGTGTCCAGATGCTAGAAATGTTTGAATGATCATCATGTCTGTTGT 632
601 ATTGATCATGGCATGGATGGCATGATGTAGCAGTGAAAATCGTAAATAATGTAGCCGCT 660
633 ATTGATCATGGCATGGATGGCATGATGTAGCAGTGAAAATCGTAAATAATGTAGCCGCT 692
661 CCATTTCAAAATTTGACCACTACGGCAGATGGCGTATCAGATCTGCGAGTCAATAAATTTT 720
693 CCATTTCAAAATTTGACCACTACGGCAGATGGCGTATCAGATCTGCGAGTCAATAAATTTT 752
721 TTACATCATATAAATTTAAACCCATACAGATCTGAAAGCCTGAAAATATTATTTGTTGTAAG 780
753 TTACATCATATAAATTTAAACCCATACAGATCTGAAAGCCTGAAAATATTATTTGTTGTAAG 812
781 TCTGACTATGTAGTCAATAATATTCTAAATGAAACGCTGATGAACGACACACTGAAAAC 840
813 TCTGACTATGTAGTCAATAATATTCTAAATGAAACGCTGATGAACGACACACTGAAAAC 872
841 ACAGATATCAAAAGTTGTGTGACTTTGGAAGTGCAACGTATGATGATGAACATCACAGTACT 900
873 ACAGATATCAAAAGTTGTGTGACTTTGGAAGTGCAACGTATGATGATGAACATCACAGTACT 932
901 TTGGTGTCTACCGCGACACTACAGAGCTCCGAGGTCAATTTTGGCTTTAGTTGTTCTCAG 960
933 TTGGTGTCTACCGCGACACTACAGAGCTCCGAGGTCAATTTTGGCTTTAGTTGTTCTCAG 992
961 CCTTGTGATGTTTGGAGCATAGGTTGCAATCTTTATTGAATATTAATTTGTTTCAAGTC 1020
993 CCTTGTGATGTTTGGAGCATAGGTTGCAATCTTTATTGAATATTAATTTGTTTCAAGTC 1052
1021 TTTTCAAGTATGATGATGAAGAGCAGCTGGCAATGATGGAAGCAATATTAGGACCCATA 1080
1053 TTTTCAAGTATGATGATGAAGAGCAGCTGGCAATGATGGAAGCAATATTAGGACCCATA 1112
1081 CCACACACATGATTTCAAGAAACCAAGAAACGCAAGTATTTTCCACATACACAGCTAGAT 1140
1113 CCACACACATGATTTCAAGAAACCAAGAAACGCAAGTATTTTCCACATACACAGCTAGAT 1172
1141 TGGGATGAACACAGTCTTCTGCTGGTAGATATGTTTAGGAGACGCTGCAAAACGTTGAAGAA 1200
1173 TGGGATGAACACAGTCTTCTGCTGGTAGATATGTTTAGGAGACGCTGCAAAACGTTGAAGAA 1232
1201 TTTATGCTTTGTGATGATGAAGACATCAGAAACCTGTTTGAACCTGGTTTGAAGAAATGTTA 1260
1233 TTTATGCTTTGTGATGATGAAGACATCAGAAACCTGTTTGAACCTGGTTTGAAGAAATGTTA 1292
1261 GAATATGATCCAACTCAAGAAATTAACCTTGGATGAAGCAATGAGCAATCTTCTTTGAC 1320
1293 GAATATGATCCAACTCAAGAAATTAACCTTGGATGAAGCAATGAGCAATCTTCTTTGAC 1352
1321 TTATTTAAAAAGAAA 1335
1353 TTATTTAAAAAGAAA 1367

RESULT 2
US-10-109-854-1
; Sequence 1, Application US/10109854
; Patent No. 6630337
; GENERAL INFORMATION:

```





1113	CCACAACACATGATTGAGAAAAACAAGAAACCGCAAGATTATTTCCACCATAAACACAGCTAGAT	1172
Db		
1141	TGGGATGAACACACAGTTCTGCTGGTAGATATGTTAGGAGACGCTGCAAAACGGTTGAAGGAA	1200
Qy		
1173	TGGGATGAACACACAGTTCTGCTGGTAGATATGTTAGGAGACGCTGCAAAACGGTTGAAGGAA	1232
Db		
1201	TTTATGCTTTGTCATGATGAAGAACATGAGAAACTGTTTCACCTCGTTCGAGAAATGTTA	1260
Qy		
1233	TTTATGCTTTGTCATGATGAAGAACATGAGAAACTGTTTCACCTCGTTCGAGAAATGTTA	1292
Db		
1261	GAATATGATCCAACTCAAAGAATTACCTTGGATGAAGCAATTCGAGCATCCTTTCTTTGAC	1320
Qy		
1293	GAATATGATCCAACTCAAAGAATTACCTTGGATGAAGCAATTCGAGCATCCTTTCTTTGAC	1352
Db		
1321	TTATTAAAAAAGAAA	1335
Qy		
1353	TTATTAAAAAAGAAA	1367
Db		

RESULT 4  
 US-09-905-999-26  
 ; Sequence 26, Application US/09905999  
 ; Patent No. 6797513  
 ; GENERAL INFORMATION:  
 ; APPLICANT: ULLRICH, Axel  
 ; APPLICANT: NAYLER, Oliver  
 ; TITLE OF INVENTION: CLK PROTEIN KINASES AND RELATED PRODUCTS AND METHODS  
 ; FILE REFERENCE: 038602/0431  
 ; CURRENT APPLICATION NUMBER: US/09/905,999  
 ; CURRENT FILING DATE: 2001-07-17  
 ; PRIOR APPLICATION NUMBER: 09/127,248  
 ; PRIOR FILING DATE: 1999-07-31  
 ; PRIOR APPLICATION NUMBER: PCT/IB97/00946  
 ; PRIOR FILING DATE: 1997-06-17  
 ; PRIOR APPLICATION NUMBER: US 08/877,150  
 ; PRIOR FILING DATE: 1997-06-17  
 ; PRIOR APPLICATION NUMBER: US 60/034,286  
 ; PRIOR FILING DATE: 1996-12-19  
 ; NUMBER OF SEQ ID NOS: 26  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 26  
 ; LENGTH: 1549  
 ; TYPE: DNA  
 ; ORGANISM: Mus musculus  
 US-09-905-999-26

Query Match	82.0%;	Score 1094.2;	DB 4;	Length 1549;
Best Local Similarity	90.8%;	Pred. No. 0;		
Matches 1165;	Conservative	0;	Mismatches 118;	Indels 0; Gaps 0;
QY	53	GTCAATTATTTAGAACCAAGGTCCTTGAATGAGCAGAGATTATCGGGACCGGAGATACGTTG	112	
DB	239	GTCCTATTTTGAACAAGATGCTTGAATGAGAGAGATTATCGGGACCGGAGATACATTG	298	
QY	113	ACGAATACAGGAATGACTACTGTGAAAGGATATGTTCTTAGACATTATCACAGAGACATTG	172	
DB	299	ATGAATACAGAAATGACTACTGCGAAGGATATGTTCCAAGACATTACCATAGAGACGTTG	358	
QY	173	AAAGCGGTATCGAATCCACTCGACGTAATCTTCAGTCCGACGACGAGGAGACGTCCTTA	232	
DB	359	AAAGCACTTACCGGATCCCAATTGTCAGTAAATCCTCAGTCAGGAGCAGGAGAACGACCCCTA	418	
QY	233	AAAGGAAGCGCAATAGACACTGTCTCAAGTCATCAGTCACGTTCGAAGAGCCACCCGAAGA	292	
DB	419	AGAGAAAGCGTAATAGACCTGTGCNAGTCATCAGTCGCATTTCGAAGAGCCACCCGAAGA	478	
QY	293	AAAGATCCAGGAGTATAGAGGATGATGAGGAGGGTCACTGATCTGTCTAAAGTGGAGACG	352	
DB	479	AAAGATCCAGGAGTATAGAGGATGATGAGGAGGGTCACCTGATCTGTCTCAAAAGTGGAGACG	538	
QY	353	TTCTAAGACCAAGATATGAAATCGTGGACACTTTTGGGTCAAGGAGCCTTTTGCCAAAGTTG	412	
DB	539	TTCTAAGACCAAGATATGAAATCGTGGACACTTTTAGTGTGAAGGAGCCTTTTGCCAAAGTTG	598	

RESULT 5  
US-09-016-000-9  
; Sequence 9, Application US/09016000  
; Patent No. 596232  
; GENERAL INFORMATION:  
; APPLICANT: Hillman, Jennifer L.  
; APPLICANT: Lal, Preeti

QY	413	TAGAGTGCATTCATGATGCATGGAATGGCATGTCATGTCATGTCAGTGAATCTGTAATCTGTAATGATG	472
DB	599	TAGAGTGCATTCATGATCAGGCATTCGATGGCTTACATGTAGTACAGTGAATCTGTAATGATGTAATGATG	658
QY	473	TAGGCCGTTTACCGTGAAGCAGCTCGTTTACAGAAATCCAAAGTATTTAGAGCAGCTTAAATAGTA	532
DB	659	TAGGACGTTTACCGGAGGCGAGCTCGTTCTGAAATCCAAAGTATTTAGAGCAGCTTGAACAGCA	718
QY	533	CTGATCCCAATAGTGTCTCCGATGTGTCAGATGCTAGAAATGGTTTGCATCATCATGCTC	592
DB	719	CTGACCCCAACAGTGTCTCCGATGCGTCAGATGCTAGAGTGGTTTGCATCATCATGCTC	778
QY	593	ATGCTTTGTATGCTGTTGAACTACTTGGGACTTGTAGTACTTTACGATTTCAATTAAGAGAAAACA	652
DB	779	ATGCTTTGTATGCTGTTTGTAGCTGCTGGGACTTGTAGTACTTGTACCTATGATTTTATTAAGAGAAAATA	838
QY	653	GCCTTCTGCCATTTCAAATTTGACCAATCAGCAGATGGCGTATCAGATCTGCCAGTCAA	712
DB	839	GTCTTCTGCCATTTCAAATTTGATCAATCAGGCAAAATGGCTTATCAGATCTGCCAGTCTA	898
QY	713	TAAATTTTTTACATCATATAAATTAACCCATACAGATCTGAAGCTCGAAAATATTTTGT	772
DB	899	TAAATTTTTTACATCATATAAATTAACCAACACACGAGCCTAATACTGAAATATTTTAT	958
QY	773	TTGTGAAGTCTGACTATGTAGTCAAAATATAATTTTAAAAATGAAACGTGATGAACGCACAC	832
DB	959	TTGTGAAGTCTGACTATGTAGTCAAAATATAATTTCTAAAAATGAAACGAGATGAGCGCACAT	1018
QY	833	TGAAAAACAGATATCAAAAGTGTGTGACTTTTGGAGTGCACGTTATGATGATGAACATC	892
DB	1019	TGAAAAACACAGATATCAAAAGTGTGTGATTTTGGAAAGTGCACATATGACAGCAGAACATC	1078
QY	893	ACAGTACTTTTGGTGTCTTACCCGGCAGCTACAGAGCTCCCGAGTCAATTTTGGCTTTAGGTT	952
DB	1079	ATAGTACTTTTGGTGTCTTACCAAGGCATACAGGCTCCAGAGTCAATTTTGGCTTCTAGGTT	1138
QY	953	GGTCTCAGCCTTTGTGATGTTTGGAGCATAGTGTGCAATCTTATTTGAATATTAATCCTTGGTT	1012
DB	1139	GGTCTCAGCCTTTGTGATGTTTGGAGCATAGGCTGCAATCTTATTTAGTACTACTTGGGT	1198
QY	1013	TCAGATCTTTTACAGCTCATGATAGTAAAGAGACCTCGCAATGATGGAAACGAATATTAG	1072
DB	1199	TCAAGTCTTTTACAGCCACGATAGTAAAGAGACCTTGGCAATGATGGAGCGGATCTTAG	1258
QY	1073	GACCCATACCAACACATGTTTTCAGAAACACAGAAACGCAAGTATTTTTCACCATTAACC	1132
DB	1259	GACCCATCCACGACATATGATCAGAAACACAGGAAACGCAAGTATTTTCCACCATTAACC	1318
QY	1133	AGCTAGATTTGGATGAAACACAGTCTCTCGTGTAGATATGTTTAGGAGACGCTGCAAAACCGT	1192
DB	1319	AGCTAGATTTGGACGAGCATAGTTTTCAGCTGGAGATATGTTTAGGAGACGCTGCAAAACCGT	1378
QY	1193	TGAAGGAATTTATGCTTTGTTCATGATGAAGAACTGTAAGAACTGTTTGCACCTGGTTCGAA	1252
DB	1379	TAAAGGAATTTATGCTGTGTTCATGACGAAGACGATGAGAAGCTGTTTGAACCTGGTTCGAA	1438
QY	1253	GAACTGTAGAATATGATCCCAACTCAAAGAATTTACCTTGGATGAAAGCAATTCAGCATCCTT	1312
DB	1439	GAACTGTGGAGTATGACCCACGAGAGGATCACTTGGATGAAGCATTCAGCAGCACCTT	1498
QY	1313	TCCTTTGACTTATTTAAAAAGAAA	1335
DB	1499	TCCTTTGACTTATTTAAAAAGGAAA	1521

RESULT 5  
US-09-016-000-9  
; Sequence 9, Application US/09016000  
; Patent No. 5962232  
; GENERAL INFORMATION:  
; APPLICANT: Hillman, Jennifer L.  
; APPLICANT: Lal, Preeti



[illegible]

QY 542 ATAGTGTCTCCGATGTGTCAGATGCTAGAAATGGTTTGTATCATCATGTCATGTTTGTGA 601  
Db |||||  
QY 602 TTGTGTTTGAACCTCTGTCGACATGTTTGTGCTGTTGACATACCATGGCCACATGTGTA 742  
Db |||||  
QY 602 TTGTGTTTGAACCTCTGTCGACATGTTTGTGCTGTTGACATACCATGGCCACATGTGTA 661  
Db |||||  
QY 743 TCTCCTTTGAGCTTCTGGGCTTTAGCACCCTTCGATTTCTCAAGAACCAACTACCTGC 802  
Db |||||  
QY 662 CATTTCAAAATGACCATCAGGAGATGCGGTATCAGATCTGCGAGTCAATAAATTTT 721  
Db |||||  
QY 803 CTTACCCCATCCACCAAGTGGCCACATGCGCTTCCAGCTCTGCCAGGCGTCAAGTTCC 862  
Db |||||  
QY 722 TACATCATATTAATTAACCATACATCATGAGCTGAAAGCTGAAATATTTTGTGTGAAGT 781  
Db |||||  
QY 863 TCCATGATAACAAGTTTGACACATACCGACCTCAACCTGAAATATTTCTGTTGTGAAT 922  
Db |||||  
QY 782 CTGACTATGTAGTCAAAATATAATTTCTAAATGAAAGCTGATGAACGACACATCAAAACA 841  
Db |||||  
QY 923 CAGACTACGAACCTCACCTACAGAGAAAGCGAGATGAGCGAGTGTAAAGACA 982  
Db |||||  
QY 842 CAGATATCAAAATGTTTGAACCTTGGAAAGTCAACGTATGATGATGAACATCAGAGTACTT 901  
Db |||||  
QY 983 CAGCGTGGCGGTGTTGACTTCCGCACTGCGAGTGCACCTTTGACCAACACCATAGCACCA 1042  
Db |||||  
QY 902 TGTGTCTACCGGCACTACAGAGCTCCGAGTCACTTTGGCTTTAGGTTGGTCTCAGC 961  
Db |||||  
QY 1043 TTGTCTCACTCGCCATTAACGAGCCCCCGAGGTCTCTCGAGTTGGGCTGGTCAAGC 1102  
Db |||||  
QY 962 CTGTGTATGTTTGGAGATAGGTTGCACTTCTTGAATATTAACCTTGGTTTCAAGCTCT 1021  
Db |||||  
QY 1103 CATGCGATGTATGGAGATAGGCTGCACTCTTTGAGTACTACGTTGGCTTCAACCTCT 1162  
Db |||||  
QY 1022 TTCAAGACTCATATGATGAAAGAGCAGCTGGCAATGATGGAACCAATATTAAGGACCCATAC 1081  
Db |||||  
QY 1163 TCCAGACCCATGACACAGAGAGCATCTAGCCATGATGGAAGATCTCTGGTCTGCTGC 1222  
Db |||||  
QY 1082 CACAACATGATTCAGAAACAAAGAAACGCAAGTATTTTCAACCAATCAACAGCTAGATT 1141  
Db |||||  
QY 1223 CTCTCGGATGATCAGAAACAAAGAAACAGAAATATTTTATCGGGTGGCTGGATT 1282  
Db |||||  
QY 1142 GGGATGAACAGCTCTGCTGTTAGATATGTTAGGAGACGCTGCAACCGTTGAAGGAT 1201  
Db |||||  
QY 1283 GGGATGAACAGCTCTGCTGTTAGATATGTTAGGAGACGCTGCAACCGTTGAAGGAT 1342  
Db |||||  
QY 1202 TTATGCTTTGTCATGATGAAGAACATGAGAAACTGTTTGACCTGTTTGAAGAAATGTTAG 1261  
Db |||||  
QY 1343 ATCTGACCTCAGAGGAGAGGACCAACCAAGCTCTTCGATCTGATTTGAATATGCTAG 1402  
Db |||||  
QY 1262 AATATGATCCAATCAAAAGAAATTAACCTTGGATGAAGCAATTCGAGCAATCTTTTGAAT 1321  
Db |||||  
QY 1403 AGTATGAGCTGCTAAGCGCTGACCTTAGGTGAAGCCCTTCAAGCATCTTTCTGCGCT 1462  
Db |||||

## RESULT 8

US-09-905-999-24  
; Sequence 24, Application US/09905999  
; Patent No. 6797513  
; GENERAL INFORMATION:  
; APPLICANT: ULLRICH, Axel  
; APPLICANT: NAYLER, Oliver  
; TITLE OF INVENTION: CLK PROTEIN KINASES AND RELATED PRODUCTS AND METHODS  
; FILE REFERENCE: 038602/0431  
; CURRENT APPLICATION NUMBER: US/09/905,999  
; CURRENT FILING DATE: 2001-07-17  
; PRIOR APPLICATION NUMBER: 09/127,248  
; PRIOR FILING DATE: 1999-07-31  
; PRIOR APPLICATION NUMBER: PCT/IB97/00946  
; PRIOR FILING DATE: 1997-06-17  
; PRIOR APPLICATION NUMBER: US 08/877,150  
; PRIOR FILING DATE: 1997-06-17  
; PRIOR APPLICATION NUMBER: US 60/034,286  
; PRIOR FILING DATE: 1996-12-19

; NUMBER OF SEQ ID NOS: 26  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 24  
; LENGTH: 1787  
; TYPE: DNA  
; ORGANISM: Mus musculus  
US-09-905-999-24

Query Match 34.1%; Score 454.8; DB 4; Length 1787;  
Best Local Similarity 65.0%; Pred. No. 4.6e-133;  
Matches 672; Conservative 0; Mismatches 362; Indels 0; Gaps 0;

QY 285 CCAGAGAAAGATCCAGGAGTATAGAGGTATAGAGGAGGTCACTGATCTGTCAAAG 344  
Db |||||  
QY 447 CAGTAAGCCGAGCAGCGGAGTGTGAAGATGACAAAGAGGCGCCACCTGTGTGCCGAT 506  
Db |||||  
QY 345 TGGAGACGTTCTAAGAGCAAGATATGAAATCGTGGACACTTTGGTGAAGAGCCTTTGG 404  
Db |||||  
QY 507 CGCGATTTGGCTCAAGAGCGATATGAGATCTGTGGGAACCTGGTGAAGGACCTTTGG 566  
Db |||||  
QY 405 CAAAGTTGTAGAGTGCATTGATCATGGCATGGATGGCATGTCATGTAGCAGTGAAATCGT 464  
Db |||||  
QY 567 CAAAGTTGTAGAGTGCATTGATCATGGCATGGATGGCATGTCATGTAGCAGTGAAATCGT 626  
Db |||||  
QY 465 AAAAAATGTAGGCGTTTACCGTGAAGAGCTCGTTCAAGAAATCAAGTATTAAGAGCACTT 524  
Db |||||  
QY 627 CCGTAATGTGGGCAAGTATCGGGAAGCTGCTGCTAGAAATTAATGTTCTCAAGAAAT 686  
Db |||||  
QY 525 AATAGTACTGATCCCAATAGTGTCTTCGATGTCGATGTCGATGTCGATGTCGATGTCGAT 584  
Db |||||  
QY 687 CAAAGGAAGACAAAGAAATTAAGTTCTTGTGCTGATGTCGATGTCGATGTCGATGTCGAT 746  
Db |||||  
QY 585 TCATGTCTATGTTTGTATTGTTTGAACCTACTGGGACTTTAGTACTTTACGATTTTCAATA 644  
Db |||||  
QY 747 CCATGTCTATGTCATCGCTTTTCAGCTCTCTGGCAAGAACACCTTTGAGTTCTCTGAA 806  
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QY 645 AGAAACAGCTTTCTGCCATTTCAAAATTTGACACATCAGGACAGATGCGGTATCAGATCTG 704  
Db |||||  
QY 807 GGAGAACAACTTCAGCCTTACCCCTACCCATGTCGACATGTCGACATGTCGACATGTCGAC 866  
Db |||||  
QY 705 CCAGTCAATAAATTTTATCATCATATAAATTAACCCATACAGATCTGAAGCTGAAAA 764  
Db |||||  
QY 867 TCATGCCCTTAGATTTCTACCGAAGAACAGCTGACCCACACAGATTTGAAGCCAGAGAA 926  
Db |||||  
QY 765 TATTTTGTGTAAGTCTGACTATGTAGTCAATATAATTTCTAAATGAAACGTGATGA 824  
Db |||||  
QY 927 CATCTGTTGTGAATTTCTGAGTTTGAACCTCTACATGATGACACAGAGCTGCGAGGA 986  
Db |||||  
QY 825 AGCACTGAAACACACAGATATCAAGTTGTGACTTTGGAAGTGAACGTAATGATGA 884  
Db |||||  
QY 987 GAAGTCAGTGAAGAACACAGCATCCGAGTGGCAGACTTTGGCAGTGGCCACGTTTGACCA 1046  
Db |||||  
QY 885 TGAACATCACAGTACTTTGTTGTCACCGGCACTACAGAGCTCCGAGGCTCAATTTGGC 944  
Db |||||  
QY 1047 TGAACATCACAGTACTTTGTTGTCACCGGCACTACAGAGCTCCGAGGCTCAATTTGG 1106  
Db |||||  
QY 945 TTTAGGTTGGTCTCAGCCTTTGTGATGTTTGGAGCATAGTTGTCATTTCTTATTAATAATTA 1004  
Db |||||  
QY 1107 GCTGGGCTGGCACAGCCTTTGTGATGTCGAGTATCGGCTGATCTCTTTGAGTACTA 1166  
Db |||||  
QY 1005 CTTGTTTTCACAGTCTTTTCAGACTCATGATGATGAAGAGACCTGGCAATGATGGAACG 1064  
Db |||||  
QY 1167 CCGTGGCTTACACTCTTCAGACCCATGAAATATAGAAACACTTGGTATGATGGAAGAA 1226  
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QY 1065 AATATTAGGACCCATACCAACACATGATTCAGAAACAAAGAAACGCAAGTATTTTCA 1124  
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QY 1227 GATTTAGGACCCATCCCATCATGATGATCCACCGTACAGGAAGACAGAAATATTTCTA 1286  
Db |||||  
QY 1125 CCATACCAAGCTAGATTGGGATGAACACAGTCTCTGCTGCTAGATATGTTAGGAGAGCTG 1184  
Db |||||  
QY 1287 CAAAGGGGCGCTGTTTGGGATGAGAACAGCTCTGATGGGCGGTATGTGAGAGAGACTG 1346  
Db |||||  
QY 1185 CAAACCGTTGAAGGAATTTTATGCTTGTATGATGAAGAACATGAGAAACCTGTTTGACCT 1244  
Db |||||



Query Match	32.3%;	Score 430.8;	DB 4;	Length 1763;
Best Local Similarity	63.5%;	Pred. No. 1.8e-125;		
Matches 657;	Conservative 0;	Mismatches 377;	Indels 0;	Gaps 0;
QY	285	CCGAAGGAAGATCCAGGAGTATAGAGGATCATGAGGAGGTCACCTGATCTGTCTCAAG	344	
DB	440	CAGTAAAGCCACAGCCGAGAGTGTGGAAAGATGACAAAGGAGGTCACCTGGTGTGCGGAT	499	
QY	345	TGGAGACGTTCTTAAGAGCAAGATATGAATTCGTGGACACTTTTGGGTGAAGGAGCCCTTTGG	404	
DB	500	CGCGCATGGCTCCAAAGACGATATGAGTTGTGGGGAACCTGGGTGAAGGACACCTTTGG	559	
QY	405	CAAAAGTTGTAGAGTGCATTTGATCGCATGGATGGCATGCGATGTAGCAGTGAATAATCGT	464	
DB	560	CAAGGTGGTGGAGTGTCTTGGACCATGCCAGAGGGAAGTCTCAGGTGGCCCTGAAGATCAT	619	
QY	465	AAAAAATGTAGGCGCTTACCGTGAAGCAGCTCGTTACAGAAATCCAAAGTATTAGACACTT	524	
DB	620	CCGCAACGTGGGCAAGTACCGGGAGGCTGCCCGGCTAGAAATCAACGTGCTCAAAAAT	679	
QY	525	AAATAGTACTGATCCCAATAGTGTCTTCCGATGTGTCCAGATGCTCAGAAATGGTTTGATCA	584	
DB	680	CAAGGAGAAGGACAAAGAAAACAAGTTCTGTGTGTCTTGATGTCTGACTGGTTCAACTT	739	
QY	585	TCAGGTCAAGTTTGTATTTGTTGTGAACTACTATGGGACTTTAGTACTTACGATTCATTAA	644	
DB	740	CCACGGTCACATGTGCATCGCCTTTTGAGTCTCTGGGCAAGAACACTTTGAGTTCCTGAA	799	



645 AGAAACAGCTTTTCGCCAATTTCAAATTTGACACATCAGGAGATGGCGTATCAGATCTG 704  
800 GGAGAATAACTTCCAGCTTACCCCTTACCAATGTCGCGCACATGGGCTTACCAAGCTCTG 859  
705 CCAGTCAATAAATTTTACATCATATAAATTTAAACCATACAGATCTGAAGCCCTGAAAA 764  
860 CCACGCCCTTGAATTTCTGCATGAGATCAGTGCACCATACAGATCTTGAACCCAGAA 919  
765 TATTTTGTGTGAAGTCTGACTATGTAGTCAAAATATAATTTCTAAATGAAACGFGATGA 824  
920 CATCTGTTGTGAATTTCTGAGTTTGAACCCCTTACAAATGAGCACAAAGAGCTGTGAGGA 979  
825 AGCACACTGAAAAACACAGATATCAAAGTTGTGACTTTGGAAGTGAAGATGATGA 884  
980 GAAGTCAGTGAAGAACACACAGCATCCGAGTGGCTGACTTTGGCAGTGCCACATTTGACCA 1039  
885 TGAACATACAGTACTTTTGGTGTCTACCCGGCACTACAGAGCTCCCGAGGTCAATTTTGGC 944  
1040 TGAGCACCAACCAACCAATTTGTGGCCACCCGTCACTATCGCCCGCTGAGGTGATCCTTGA 1099  
945 TTTAGGTTGGTCTCAGCCTTGTGATGTTTGGAGCATAGTTGGATCTTATTGAAATATTA 1004  
1100 GCTGGGCTGGGCACAGCCCTGTGACGTCTGGAGCATTTGGCTGCAATTTCTTTGAGTACTA 1159  
1005 CTTGGTTTACAGTCTTTTCCAGACTCATGATAGTAAGAGCACCTGGCAATGATGGAACG 1064  
1160 CCGGGGCTTCCACTCTTCCAGACCCACGAAACCGAGAGCACCTGGTGTGATGGAGAA 1219  
1065 AATATTAGGACCCATACCAACACATGATTTAGAAAAACGAAACGCAAGTATTTTCA 1124  
1220 GATCTAGGGCCCATCCCATCACATGATPCACCCGTACCGAGAGCAAGAAATATTTCTA 1279  
1125 CCATAACCACTAGATTGGATGAAACACAGTCTCTGCTGTAGATGTTAGGAGCGCTG 1184  
1280 CAAAGGGGCGCTAGTTTGGGATGAGAACAGCTCTGACGGCCGGTATGTGAAGAGAACTG 1339  
1185 CAAACCGTTCAAGGAATTTATGCTTTGTATGATGAAGAACATGAGAAACTGTTTGACCT 1244  
1340 CAAACCTCTGAAGATTACATGCTCCAAGACTCCCTGGAGCAGTGCAGCTGTTTGACCT 1399  
1245 GGTTCGAAGAAATGTTAGAATATGATCCAACTCAAAGAAATTTACCTTGGATGAAGCATGCA 1304  
1400 GATGAGGAGGATGTTAGAAATTTGACCTTGCCTGCCAGGCATCACACTGGCCGAGGCCCTGCT 1459  
1305 GCATCCTTTCTTTG 1318  
1460 GCACCCCTTCTTTG 1473

RESULT 12  
US-09-976-594-313  
; Sequence 313, Application US/09976594  
; Patent No. 6673549  
; GENERAL INFORMATION:  
; APPLICANT: Furness, Michael  
; APPLICANT: Buchbinder, Jenny  
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS  
; FILE REFERENCE: PA-0041 US  
; CURRENT APPLICATION NUMBER: US/09/976,594  
; CURRENT FILING DATE: 2001-10-12  
; PRIOR APPLICATION NUMBER: 60/240,409  
; PRIOR FILING DATE: 2000-10-12  
; NUMBER OF SEQ ID NOS: 1143  
; SOFTWARE: PERL Program  
; SEQ ID NO 313  
; LENGTH: 1788  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Incyte ID No. 6673549 001622CB1  
US-09-976-594-313

Query Match 32.3%; Score 430.8; DB 4; Length 1788;  
Best Local Similarity 63.5%; Pred. No. 1.8e-125;  
Matches 657; Conservative 0; Mismatches 377; Indels 0; Gaps 0;  
285 CCGAAGAAAGATCCAGGAGTATAGAGGATGATGAGGAGGTCACCTGATCTGTCAAG 344  
456 CAGTAAGCGCAGCAGCGAGTGTGGAAGATGCAAGGAGGGTCACCTGGTGTCCCGAT 515  
345 TGGAGAGCTTTAAGAGCAAGATATGAAATCGTGGACACTTTGGGTGAAGAGCGCTTTGG 404  
516 CGGCGATTGGCTCCAGAGCGATATGAGATTGTGGGAACTGGTGAAGGCACCTTTGG 575  
405 CAAAGTTGTAGAGTCAATTCATCATGCAATGATGGCATGTCATGTAGCAGTGAAGATCGT 464  
576 CAAGTGTGTGAGTGTCTGGACCATGTCAGAGGGAAGTCTCAGGTTTCCCTGGAAGATCAT 635  
465 AAAAAATGTAGGCCGTTTACCGTGAAGCAGCTCGTTTCAAGAAATCAAGTATTAGAGCACTT 524  
636 CCGCAACGTGGGCAAGTACCGGAGGCTGCCCGCTAGAAATCAACGTGCTCAAAAAAT 695  
525 AATAGTACTGATCCCAATAGTGTCTTCCGATGTGTCCAGATGTGTAGATGGTTGATCA 584  
696 CAGGAGAGGACAAAGAAACAAGTTCTCTGTGTCTTGATGTCTGACTGGTTCAACTT 755  
585 TCATGTCATGTTTGTATTGTGTTGAACTACTGGACTTAGTACTTACGATTTCATTAA 644  
756 CCAGGTCACATGTGTCATCGCTTTTGAGCTCTCGGCAAGAACACCTTTTGAGTTCTCTGAA 815  
645 AGAAACAGCTTTCTGCCATTTCAAATTTGACCAATCAGGAGATGGCGTATCAGATCTG 704  
816 GGAGATTAACCTTCAGCCTTACCCCTACCACTGTCCGGCACATGGCTACCAGCTCTG 875  
705 CCAGTCAATAAATTTTACATCATATAAATTAACCATACAGATCTGAAGCCCTGAAAA 764  
876 CCACGCCCTTAGATTCTGTCATGAAATCAGCTGACCCCATACAGATCTTGAACCCAGAA 935  
765 TATTTTGTGTGAGTCTGACTATGATCAAAATATAAATTTCTAAATGAAACGCTGATGA 824  
936 CATCTGTTTGTGAATTTCTGAGTTTGAACCCCTCTCAATGAGCACAGAGCTGTGAGGA 995  
825 AGGCACACTGAAAAACACAGATATCAAAGTTGTGACCTTTGGAAGTGAACCTATGATGA 884  
996 GAAGTCAGTGAAGAACACCCAGCATCCGAGTGGCTGACTTTGGCAGTGGCCACTTTTGACA 1055  
885 TGAAACATCAGACTCTTTGGTGTCTACCGGCGACTACAGAGCTCCCGAGGTCATTTTGGC 944  
1056 TGAGCACCAACACCACTTGTGGCCACCCGCTCACTATCGCCCGCTGAGGTGATCCTTGA 1115  
945 TTTAGTGTGCTCTCAGCCTTGTGATGTTTGGAGCATAGGTTTGCATTTCTTATTGAATATTA 1004  
1116 GCTGGGCTGGGCACAGCCCTGTGACGTCTGGAGCATTTGGCTGCAATTTCTTTTGGTACTA 1175  
1005 CTTGGTGTTCAGTCTTTTCAGACTCATGATAGTAAAGAGCACCTGGCAATGATGGAACG 1064  
1176 CCGGGGCTTCACTCTTCCAGACCCACCAAAACCGAGAGCACCTGGTGTGATGATGAGAA 1235  
1065 AATATTAGGACCCATACCAACACATGATTCAGAAAAACGAAACGCAAGTATTTTCA 1124  
1236 GATCTTAGGGCCCATCCCATCAACATGATCCACCGTACAGGAACAGAAATATTCTA 1295  
1125 CCATAACCACTAGATTGGGATGAACACAGTGTCTGTGTAGATATGTTAGGAGAGCGCTG 1184  
1296 CAAAGGGGCTTAGTTTGGGATGAGAAACAGCTCTGACGGCCGGTATGTGAAGGAGAACTG 1355  
1185 CAAACCGTTGAAGGAATTTATGCTTGTGATGATGAAGAACATGAGAAACTGTTTGCACCT 1244  
1356 CAAACCTCTGAAGAGTTTACATGCTCCAAGACTCCCTGGAGCACCTGCAGCTGTTTGACCT 1415  
1245 GGTTCGAAGAAATGTTAGAATATGATCCAACTCAAAGAAATTTACCTTGGATGAAGCATTGCA 1304  
1416 GATGAGGAGGATGTTAGAAATTTGACCCCTGCCAGGCATCACACTGGCCGAGGCCCTGCT 1475  
1305 GCATCCTTTCTTTG 1318



Db 1476 GCACCCCTCTTGG 1489  
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RESULT 13  
US-09-023-655-699  
; Sequence 699, Application US/09023655  
; Patent No. 6607879  
; GENERAL INFORMATION:  
; APPLICANT: Cocks, Benjamin G.  
; APPLICANT: Susan G. Stuart  
; APPLICANT: Jeffrey J. Seilhamer  
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE  
; TITLE OF INVENTION: EXPRESSION  
; NUMBER OF SEQUENCES: 1508  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
; STREET: 3174 PORTER DRIVE  
; CITY: PALO ALTO  
; STATE: CALIFORNIA  
; COUNTRY: USA  
; ZIP: 94304  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/023,655  
; FILING DATE: HERewith  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Zeller, Karen J.  
; REGISTRATION NUMBER: 37,071  
; REFERENCE/DOCKET NUMBER: PA-0001 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (650) 855-0555  
; TELEFAX: (650) 845-4166  
; INFORMATION FOR SEQ ID NO: 699:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1456 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: HNT2AGT01  
; CLONE: 488842  
US-09-023-655-699  
Query Match 27.08; Score 360.2; DB 4; Length 1456;  
Best Local Similarity 99.21; Pred. No. 3.7e-103;  
Matches 362; Conservative 0; Mismatches 103; Indels 0; Gaps 0;  
Qy 971 TTTGGACATAGGTTGCATTCTTATTGAATATTACCTTGGTTTCACAGTCTTTTCAGACTC 1030  
Db 262 TGTAGCGCATAGTTGCATTCTTATTGAATATTACCTTGGTTTCACAGTCTTTTCAGACTC 321  
Qy 1031 ATGATAGTAAAGAGCACCTCGCAATGATGGAACGAATATTAGGACCCATACCAACACACA 1090  
Db 322 ATGATAGTAAAGAGCACCTCGCAATGATGGAACGAATATTAGGACCCATACCAACACACA 381  
Qy 1091 TGATTGAGAAACAGAGAAACGCAAGTATTTCACCAATACCAAGCTAGATTGGATGAAC 1150  
Db 382 TGATTGAGAAACAGAGAAACGCAAGTATTTCACCAATACCAAGCTAGATTGGATGAAC 441  
Qy 1151 ACAGTTCTCGTGGTAGATATGTTAGGAGACGCTGCAACCGTTGAGGAATTTATGCTTT 1210  
Db 442 ACAGTTCTCGTGGTAGATATGTTAGGAGACGCTGCAACCGTTGAGGAATTTATGCTTT 501

Qy 1211 GTCATGATGAAGAACATGAGAACTGTTTGACCTGGTTTCAAGAAATGTTAGAAATATGATC 1270  
Db 502 GTCATGATGAAGAACATGAGAACTGTTTGACCTGGTTTCAAGAAATGTTAGAAATATGATC 561  
Qy 1271 CAACTCAAAGAAATTTACCTTGGATGAAGCAATGTCAGCATCCTTTCTTTGACTTATTAATAA 1330  
Db 562 CAACTCAAAGAAATTTACCTTGGATGAAGCAATGTCAGCATCCTTTCTTTGACTTATTAATAA 621  
Qy 1331 AGAAA 1335  
Db 622 AGAAA 626  
||| |||  
RESULT 14  
US-09-016-434-310  
; Sequence 310, Application US/09016434  
; Patent No. 6500938  
; GENERAL INFORMATION:  
; APPLICANT: Janice Au-Young  
; APPLICANT: Jeffrey J. Seilhamer  
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING  
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION  
; NUMBER OF SEQUENCES: 1490  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
; STREET: 3174 PORTER DRIVE  
; CITY: PALO ALTO  
; STATE: CALIFORNIA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/016,434  
; FILING DATE: HERewith  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; CLASSIFICATION:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Zeller, Karen J.  
; REGISTRATION NUMBER: 37,071  
; REFERENCE/DOCKET NUMBER: PA-0002 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (650) 855-0555  
; TELEFAX: (650) 845-4166  
; INFORMATION FOR SEQ ID NO: 310:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 263 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: PROSNOT20  
; CLONE: 1819167  
US-09-016-434-310  
Query Match 19.7%; Score 263; DB 4; Length 263;  
Best Local Similarity 100.0%; Pred. No. 7.5e-73;  
Matches 263; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1068 ATTAGACCCATACCAACACATGATTCAGAAAACGCAAGTATTTTCACCA 1127  
Db 1 ATTAGACCCATACCAACACATGATTCAGAAAACGCAAGTATTTTCACCA 60  
Qy 1128 TAACAGCTAGATTGGATGAACACAGTTCTGCTGCTAGATATGTTAGGAGACGCTGCA 1187  
Db 61 TAACAGCTAGATTGGATGAACACAGTTCTGCTGCTAGATATGTTAGGAGACGCTGCA 120

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QY 1188 ACCGTTGAGGAATTTATGCTTTGTCATGATGAAGACATGAGAAACTGTTTGACCTGGT 1247
Db 121 ACCGTTGAAGGAATTTATGCTTTGTCATGATGAAGACATGAGAAACTGTTTGACCTGGT 180
QY 1248 TCGAAGAATGTTAGAAATATGATCCAACTCAAAGAATTACCTTGGATGAAGCATTCGACGA 1307
Db 181 TCGAAGAATGTTAGAAATATGATCCAACTCAAAGAATTACCTTGGATGAAGCATTCGACGA 240
QY 1308 TCGTTTCTTTGACTTATTAATAA 1330
Db 241 TCGTTTCTTTGACTTATTAATAA 263

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RESULT 15
US-09-810-671-3
; Sequence 3, Application US/09810671
; Patent No. 6455291
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL000758
; CURRENT APPLICATION NUMBER: US/09/810,671
; CURRENT FILING DATE: 2001-06-08
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 21234
; TYPE: DNA
; ORGANISM: Human
US-09-810-671-3

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Query Match 16.9%; Score 226; DB 3; Length 21234;
Best Local Similarity 100.0%; Pred. No. 6.5e-60;
Matches 226; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 51 CAGTCATTATTAGAACGAGGTCCTTGAATGAGCGAGATTATCGGACCGGAGATACGT 110
Db 3116 CAGTCATTATTAGAACGAGGTCCTTGAATGAGCGAGATTATCGGACCGGAGATACGT 3175
QY 111 TGACGAATACAGGAATGACTACTGTGAAGGATATGTTCTTAGACATTATCACAGACAT 170
Db 3176 TGACGAATACAGGAATGACTACTGTGAAGGATATGTTCTTAGACATTATCACAGACAT 3235
QY 171 TGAAGCGGGTATCGAATCCACTGCGAGTAAATCTTCAGTCGCGAGAGAGAGCAGTCC 230
Db 3236 TGAAGCGGGTATCGAATCCACTGCGAGTAAATCTTCAGTCGCGAGAGAGAGCAGTCC 3295
QY 231 TAAAGGAAGCGCAATAGACACTGTTCAAGTCATCAGTCAGTTCG 276
Db 3296 TAAAGGAAGCGCAATAGACACTGTTCAAGTCATCAGTCAGTTCG 3341

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Search completed: August 3, 2005, 19:44:07  
Job time : 225.198 secs



Db 61 CTGTTGAAGAGGACACTCATCCAGTCATTAFTTTAGAAGCAAGTCCCTTGTAATGAGCGAG 120  
QY 121 ATTATCGGACCGGAGATACGTTGACGAATACAGGAATGACTACTGTGTAAGGATATGTTTC 180  
Db 121 ATTATCGGACCGGAGATACGTTGACGAATACAGGAATGACTACTGTGTAAGGATATGTTTC 180  
QY 181 CTAGACATTTATCACAGAGACATTTGAAGCGGGTATCGAAATCCACATCGCAGTAAATCTTCAG 240  
Db 181 CTAGACATTTATCACAGAGACATTTGAAGCGGGTATCGAAATCCACATCGCAGTAAATCTTCAG 240  
QY 241 TCCGAGCAGGAGAGACAGTCTCTAAAGCAAGCGCAATAGACACATGTTCAAGTCATCAGT 300  
Db 241 TCCGAGCAGGAGAGACAGTCTCTAAAGCAAGCGCAATAGACACATGTTCAAGTCATCAGT 300  
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Db 301 CAGTTTCGAAGAGCCACCGAAGCAAGATCAGGAGATAGAGGATGATGAGGAGGGTC 360  
QY 361 ACCTGATCTGTAAGTGAGAGAGTCTTAAGAGCAAGATATGAATCGTGGACATTTGG 420  
Db 361 ACCTGATCTGTAAGTGAGAGAGTCTTAAGAGCAAGATATGAATCGTGGACATTTGG 420  
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QY 481 TAGCAGTGAAATCGTAAAAAATGTAGGCGGTTACCGTGAAGCAGCTCGTTCAGAAATCC 540  
Db 481 TAGCAGTGAAATCGTAAAAAATGTAGGCGGTTACCGTGAAGCAGCTCGTTCAGAAATCC 540  
QY 541 AAGTATTAGAGCACTTAAATAGTACTGATCCCAATAGTGTCTCCGATGTGTCAGATGC 600  
Db 541 AAGTATTAGAGCACTTAAATAGTACTGATCCCAATAGTGTCTCCGATGTGTCAGATGC 600  
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Db 601 TAGAATGGTTGATCATCGTTCATGTTGTATGTTGTTGAACATCTGCGGACCTTAGTA 660  
QY 661 CTTACGATTTCAATTAAGAAAAAGCTTTCTGCAATTTCAAAATGACCAATCAGGAGCAGA 720  
Db 661 CTTACGATTTCAATTAAGAAAAAGCTTTCTGCAATTTCAAAATGACCAATCAGGAGCAGA 720  
QY 721 TGGCGTATCAGATCTGCGCAGTCAATAAATTTTTTACATCAATAATAAATTAACCCATACAG 780  
Db 721 TGGCGTATCAGATCTGCGCAGTCAATAAATTTTTTACATCAATAATAAATTAACCCATACAG 780  
QY 781 ATCTGAAGCCTGAAAAATTTTTTGTGTAAGTCTGATGATCAATATAAATTTCTA 840  
Db 781 ATCTGAAGCCTGAAAAATTTTTTGTGTAAGTCTGATGATCAATATAAATTTCTA 840  
QY 841 AAATGMAACGTGATGACGACACCTGAAAAACAGATATCAAAAGTTGTTGACTTTGGAA 900  
Db 841 AAATGMAACGTGATGACGACACCTGAAAAACAGATATCAAAAGTTGTTGACTTTGGAA 900  
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Db 901 GTGCAACGTATGATGAATCAATCACAGTACTTTGGTGTCTACCCGGACCTACAGACTC 960  
QY 961 CCGAGGTCAATTTGGCTTTAGTTGGTCTCAGCCTTGTGATGTTTGGAGCATAGTTGCA 1020  
Db 961 CCGAGGTCAATTTGGCTTTAGTTGGTCTCAGCCTTGTGATGTTTGGAGCATAGTTGCA 1020  
QY 1021 TTCTTTATTTGAATTTACCTTTGGTTTTCAGAGTCTTTTACAGTCTATGATGATGAAGGACCC 1080  
Db 1021 TTCTTTATTTGAATTTACCTTTGGTTTTCAGAGTCTTTTACAGTCTATGATGATGAAGGACCC 1080  
QY 1081 TGGCAATGATGAAAGCAATTTAGGACCCATACCAACATGATGATGATGAAGGACCAAGAA 1140  
Db 1081 TGGCAATGATGAAAGCAATTTAGGACCCATACCAACATGATGATGATGAAGGACCAAGAA 1140  
QY 1141 AACGCAAGTATTTTACCATAACCAAGCTAGATTGGGATGACACAGTCTCTGCTGATAGAT 1200  
Db 1141 AACGCAAGTATTTTACCATAACCAAGCTAGATTGGGATGACACAGTCTCTGCTGATAGAT 1200

QY 1201 ATGTTAGGAGACGCTGCBAACCGTTTGAAGGAATTTATGCTTTTGTATGATGAAGAAACATG 1260  
Db 1201 ATGTTAGGAGACGCTGCBAACCGTTTGAAGGAATTTATGCTTTGTATGATGAAGAAACATG 1260  
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Db 1321 TGAATGAAGCAATTTGCAGCATCCTTTCTTTGACCTTATTAAGAAAGAAATGAAATGGGAATC 1380  
QY 1381 AGTGGCTTACTATATATCTTCTAGAAAGAGATTTACTTAAAGACTGTGTCAAGTCAACTAAA 1440  
Db 1381 AGTGGCTTACTATATATCTTCTAGAAAGAGATTTACTTAAAGACTGTGTCAAGTCAACTAAA 1440  
QY 1441 CATTTCTAATATTTTGTAAACATTTAAATTTTGTACAGTTAAGTGTAAATATTTGATG 1500  
Db 1441 CATTTCTAATATTTTGTAAACATTTAAATTTTGTACAGTTAAGTGTAAATATTTGATG 1500  
QY 1501 TTTTGTATCAATAGCATAAATTAACCTTCTTAAGCAAGTATGCTCTTGATAATGCAATTAGAA 1560  
Db 1501 TTTTGTATCAATAGCATAAATTAACCTTCTTAAGCAAGTATGCTCTTGATAATGCAATTAGAA 1560  
QY 1561 AAATTAAGAAATTTAAATTTTCTTTTGAATTAACCAATTTTAAATACCTTTGAAATATCCTT 1620  
Db 1561 AAATTAAGAAATTTAAATTTTCTTTTGAATTAACCAATTTTAAATACCTTTGAAATATCCTT 1620  
QY 1621 TGTGTCAGTATCAATAGTATGATCTTGCCTTTTGTACATGAGGAGTCACTCTGGAAGT 1680  
Db 1621 TGTGTCAGTATCAATAGTATGATCTTGCCTTTTGTACATGAGGAGTCACTCTGGAAGT 1680  
QY 1681 GATTTTTTTTTCAGTAAAAAGGAAATCTTTGACTATCTTTATTTCTTTAAAGGAATTTCTTTTA 1740  
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QY 1741 TATACCTTCAAAATTTAGAACTTAACTTTTAAAGATTTTCTTCTGCTGTAATTTGTAAGCGGTG 1800  
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QY 1801 ATTATTTATTAATCTAGATTAAGCAGGTACTAGAAACCAAACTCAGAAAAATGTTTACTGT 1860  
Db 1801 ATTATTTATTAATCTAGATTAAGCAGGTACTAGAAACCAAACTCAGAAAAATGTTTACTGT 1860  
QY 1861 TAGAAATCTATTTAAATTTTAAAGTGTGTTATCTTTTTCATTTGGGTGATGTCAGGSGTATA 1920  
Db 1861 TAGAAATCTATTTAAATTTTAAAGTGTGTTATCTTTTTCATTTGGGTGATGTCAGGSGTATA 1920  
QY 1921 ACCAGACATTCATGAAAGGCAATGAGTTTGTCCATTTGTGACAGTCTTGTAAATAAAACC 1980  
Db 1921 ACCAGACATTCATGAAAGGCAATGAGTTTGTCCATTTGTGACAGTCTTGTAAATAAAACC 1980  
QY 1981 ACATACACACTTTTATTTAAGATTTAAATCTAACTGAAAGTCAAGTCTGGAATAATGACAT 2040  
Db 1981 ACATACACACTTTTATTTAAGATTTAAATCTAACTGAAAGTCAAGTCTGGAATAATGACAT 2040  
QY 2041 TTCCAAAGTATGTTGGTGTAGTCAAGATATAAATAAGAAATTTCTGATCAGAGGTTTTCAG 2100  
Db 2041 TTCCAAAGTATGTTGGTGTAGTCAAGATATAAATAAGAAATTTCTGATCAGAGGTTTTCAG 2100  
QY 2101 TTTTAAATACCAAGTCTTTAGGAGTCTTAACATTTGGCCAGCATCTGTTTATCAAAATGACA 2160  
Db 2101 TTTTAAATACCAAGTCTTTAGGAGTCTTAACATTTGGCCAGCATCTGTTTATCAAAATGACA 2160  
QY 2161 TAAATACGTAACCTTAAGAAATTAAGTTTATTTAAATTTAGGCAATTTATGTCGTGTATAT 2220  
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QY 2221 TCTTACGGGAGAAAGAGGATTTTTCATTTGGAAGAGCAGTTTGGGAAGAAAGTCTGCTGAAAT 2280  
Db 2221 TCTTACGGGAGAAAGAGGATTTTTCATTTGGAAGAGCAGTTTGGGAAGAAAGTCTGCTGAAAT 2280

Qy	2281	TTCAGAAATTTAAATGGATTGGTTACATAAACTTTTTCGACTTCAGAAAAAATAAAAA	2340
Db	2281	TTCAGAAATTTAAATGGATTGGTTACATAAACTTTTTCGACTTCAGAAAAAATAAAAA	2340
Qy	2341	AACAAAAAATAAAC	2354
Db	2341	AACAAAAAATAAAC	2354
RESULT 2			
US-10-109-854-1			
; Sequence 1, Application US/10109854			
; Publication No. US20020119548A1			
; GENERAL INFORMATION:			
; APPLICANT: YAN, Chunhua et al.			
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC			
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES			
; TITLE OF INVENTION: THEREOF			
; FILE REFERENCE: CL000758DIV			
; CURRENT APPLICATION NUMBER: US/10/109,854			
; CURRENT FILING DATE: 2002-04-01			
; PRIOR APPLICATION NUMBER: 60/227,470			
; PRIOR FILING DATE: 2000-08-24			
; PRIOR APPLICATION NUMBER: 09/810,671			
; PRIOR FILING DATE: 2001-03-19			
; NUMBER OF SEQ ID NOS: 5			
; SOFTWARE: FastSeq for Windows Version 4.0			
; SEQ ID NO 1			
; LENGTH: 2354			
; TYPE: DNA			
; ORGANISM: Homo sapien			
US-10-109-854-1			
Query Match 100.0%; Score 2354; DB 13; Length 2354;			
Best Local Similarity 100.0%; Pred. No. 0;			
Matches 2354; Conservative 0; Mismatches 0; Indels 0; Gaps 0;			
Qy	1	GCCAGCTGGGGTTACTTTAAAAAACATGCTCCCATGTGCATCCCTCTTTGAAGCTTCGCAC	60
Db	1	GCCAGCTGGGGTTACTTTAAAAAACATGCTCCCATGTGCATCCCTCTTTGAAGCTTCGCAC	60
Qy	61	CTGTTGAAGAGGACACTCATCCCACTCATTTTGAAGCAAGTCTCTTGAATGAGCGAG	120
Db	61	CTGTTGAAGAGGACACTCATCCCACTCATTTTGAAGCAAGTCTCTTGAATGAGCGAG	120
Qy	121	ATTATCGGACCGAGATACGTTGACCAATACAGGAATGACTACTGTGAAGGATATGTTTC	180
Db	121	ATTATCGGACCGAGATACGTTGACCAATACAGGAATGACTACTGTGAAGGATATGTTTC	180
Qy	181	CTAGACATTATCACAGAGACATTGAAAGCGGGTATCGAATCCACTCGAGTAAATCTTCAG	240
Db	181	CTAGACATTATCACAGAGACATTGAAAGCGGGTATCGAATCCACTCGAGTAAATCTTCAG	240
Qy	241	TCCGACGAGGAGAGCAGTCTTAAAAAGGAGCGCAATAGACACTGTTCAAGTCATCAGT	300
Db	241	TCCGACGAGGAGAGCAGTCTTAAAAAGGAGCGCAATAGACACTGTTCAAGTCATCAGT	300
Qy	301	CACGTTTGAAGAGCCACCGAAGGAAAAAGATCCAGGAGTATAGAGGATGATGAGGAGGTC	360
Db	301	CACGTTTGAAGAGCCACCGAAGGAAAAAGATCCAGGAGTATAGAGGATGATGAGGAGGTC	360
Qy	361	ACCTGATCTGTCAAAGTGGAGCGTCTTAAGAGCAAGATATGAATCGTGGACACTTTGG	420
Db	361	ACCTGATCTGTCAAAGTGGAGCGTCTTAAGAGCAAGATATGAATCGTGGACACTTTGG	420
Qy	421	GTGAAGGAGCCCTTTGGCAAAAGTTGTAGAGTGCAATGATCATGGCATGGATGGCATG	480
Db	421	GTGAAGGAGCCCTTTGGCAAAAGTTGTAGAGTGCAATGATCATGGCATGGATGGCATG	480
Qy	481	TAGCAGTGAAATCGTAAAAAATGTAGCGCGTTACCGTGAAGCAGCTCGTTTCAGAAATCC	540
Db	481	TAGCAGTGAAATCGTAAAAAATGTAGCGCGTTACCGTGAAGCAGCTCGTTTCAGAAATCC	540



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QY 961 CCGAGGTCATTTGGCTTAGGTTGGTCTCAGCCCTGTGATGTTGGAGCATAGGTTGCA 1020
DB 961 CCGAGGTCATTTGGCTTTAGGTTGGTCTCAGCCCTGTGATGTTGGAGCATAGGTTGCA 1020
QY 1021 TTCTTATTAATATTAACCTTGGTTTTCAGGTCCTTTAGGTCATGATAGTAAGAGCACC 1080
DB 1021 TTCTTATTAATATTAACCTTGGTTTTCAGGTCCTTTAGGTCATGATAGTAAGAGCACC 1080
QY 1081 TGGCAATGATGGAAAGCAATATTAAGGACCCATACCAACAACATGATTCAGAAAAAAGAA 1140
DB 1081 TGGCAATGATGGAAAGCAATATTAAGGACCCATACCAACAACATGATTCAGAAAAAAGAA 1140
QY 1141 AAGCGAAGTATTTTCCACATAACAGCTAGATTGGGATGAACACAGTCTGCTGGTAGAT 1200
DB 1141 AAGCGAAGTATTTTCCACATAACAGCTAGATTGGGATGAACACAGTCTGCTGGTAGAT 1200
QY 1201 ATGTTAGGACGCGTCAAAACCGTTGAAGGAATTTATGCTTTGTTCATGATGAAGAACATG 1260
DB 1201 ATGTTAGGACGCGTCAAAACCGTTGAAGGAATTTATGCTTTGTTCATGATGAAGAACATG 1260
QY 1261 AGAACTGTTTGACCTGGTTGGAAGATGTTAGGAATATGATCCAACCTCAAAGAAATTACCT 1320
DB 1261 AGAACTGTTTGACCTGGTTGGAAGATGTTAGGAATATGATCCAACCTCAAAGAAATTACCT 1320
QY 1321 TGGATGAAGCATTCGACGATCCTTTCTTGACTTATTTAAAAAGAAATGAAATGGGAATC 1380
DB 1321 TGGATGAAGCATTCGACGATCCTTTCTTGACTTATTTAAAAAGAAATGAAATGGGAATC 1380
QY 1381 AGTGGTCTTACTATATCTCTAGAGAGATTTACTTTAGACTGTGTCAGTCAACTAAA 1440
DB 1381 AGTGGTCTTACTATATCTCTAGAGAGATTTACTTTAGACTGTGTCAGTCAACTAAA 1440
QY 1441 CATCTAATATTTTGTAAACATTAATTTTGTACAGTTAAGTGTAAATATTTGATG 1500
DB 1441 CATCTAATATTTTGTAAACATTAATTTTGTACAGTTAAGTGTAAATATTTGATG 1500
QY 1501 TTTGTATCAATAGCAATAATTAACCTGTTAAGCAAGTATGGTCTGTGATATGATG 1560
DB 1501 TTTGTATCAATAGCAATAATTAACCTGTTAAGCAAGTATGGTCTGTGATATGATG 1560
QY 1561 AAATTAATAATTTTCTTTTGAATTAACATTTTAAATACCTTTGAAATATCCTT 1620
DB 1561 AAATTAATAATTTTCTTTTGAATTAACATTTTAAATACCTTTGAAATATCCTT 1620
QY 1621 TGTGTCAGTGATAAATGATGATCTGCTCTTTGTACATGAGGTCACCTCTGAAGT 1680
DB 1621 TGTGTCAGTGATAAATGATGATCTGCTCTTTGTACATGAGGTCACCTCTGAAGT 1680
QY 1681 GATTTTTTTTGTAAAGAAATCTTGACTACTTTATATTTTAAAGGAATATCTTTA 1740
DB 1681 GATTTTTTTTGTAAAGAAATCTTGACTACTTTATATTTTAAAGGAATATCTTTA 1740
QY 1741 TATACTTCAAAATTTAGAACTTAACCTTTAAAGTTTTTCTGTAATTTGTAACGGGTG 1800
DB 1741 TATACTTCAAAATTTAGAACTTAACCTTTAAAGTTTTTCTGTAATTTGTAACGGGTG 1800
QY 1801 ATTATTAATTAACCTAGATAAGCAGGTAAGTAAAGCTTAAAGCTCAGAAAAATGTTACTGT 1860
DB 1801 ATTATTAATTAACCTAGATAAGCAGGTAAGTAAAGCTTAAAGCTCAGAAAAATGTTACTGT 1860
QY 1861 TAGAATTTCTAATTAATTTTAAAGTGTGATTTCTTTTTCATTTGGTGATGTCAGGGTGATA 1920
DB 1861 TAGAATTTCTAATTAATTTTAAAGTGTGATTTCTTTTTCATTTGGTGATGTCAGGGTGATA 1920
QY 1921 ACCAGACATTCATGGAAGCATGTCAGTTTGTCCATTTGTCACAGTTTGTGTTTAAATAAAC 1980
DB 1921 ACCAGACATTCATGGAAGCATGTCAGTTTGTCCATTTGTCACAGTTTGTGTTTAAATAAAC 1980
QY 1981 ACATACACACTTTTATTAAGATTAATCTAACTGGAAGTCTGAGTTGGAATAATGACAT 2040
DB 1981 ACATACACACTTTTATTAAGATTAATCTAACTGGAAGTCTGAGTTGGAATAATGACAT 2040
QY 2041 TTCCAAGTATGTTGGTGAGTCAAGATATAAAAAATAGAAAAATCTGTATGAGAGGTTTCAG 2100
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## RESULT 4

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US-10-801-671-1
; Sequence 1, Application US/10801671
; Publication No. US20040152123A1
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: CL000758DIV-III
; CURRENT APPLICATION NUMBER: US/10/801,671
; PRIOR FILING DATE: 2004-03-17
; PRIOR APPLICATION NUMBER: 60/227,470
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: 09/810,671
; PRIOR FILING DATE: 2001-03-19
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 2354
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-801-671-1
```

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Query Match 100.0%; Score 2354; DB 19; Length 2354;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2354; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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QY 1 GCCAGCTGGGGTTACTTTTAAACCATGCTCCATGTGCATCCCTCTTGAAGCTTCGCAC 60
DB 1 GCCAGCTGGGGTTACTTTTAAACCATGCTCCATGTGCATCCCTCTTGAAGCTTCGCAC 60
QY 61 CTGTTGAAGAGGACACTCATCCAGTCATTTATTAGAAGCAAGGTCCTTGAATGAGCGAG 120
DB 61 CTGTTGAAGAGGACACTCATCCAGTCATTTATTAGAAGCAAGGTCCTTGAATGAGCGAG 120
QY 121 ATTATCGGACCGGAGATACGTTGACGAATACAGGAATGACTACTGTGAAGGATATGTTTC 180
DB 121 ATTATCGGACCGGAGATACGTTGACGAATACAGGAATGACTACTGTGAAGGATATGTTTC 180
QY 181 CTAGACATTTATCACAGAGACATTTGAAGCGGGTATCGAATCCACTCGAGTAATCTTCAG 240
DB 181 CTAGACATTTATCACAGAGACATTTGAAGCGGGTATCGAATCCACTCGAGTAATCTTCAG 240
QY 241 TCCGACAGCAGGAGAACAGCTCTCTAAAGGAAGCGCAATAGACACTGTTCAAAGTCATCAGT 300
DB 241 TCCGACAGCAGGAGAACAGCTCTCTAAAGGAAGCGCAATAGACACTGTTCAAAGTCATCAGT 300
QY 301 CACGTTCCGAAGAGCCACCGAAGAAAAGATCCAGGAGTATAGAGGATGATGAGAGGGTTC 360
```

Db	1381	AGTGGCTTTACTATATACCTTCTTAGAAGAGATTACTTAAGACTGTGTGTCAGTCAACTAAA	1440
Qy	1441	CATTCTAAATATTTTGTAAACATTAATTTATTTGTACAGTTAAAGTGTAAATATTTGTATG	1500
Db	1441	CATTCTAAATATTTTGTAAACATTAATTTATTTGTACAGTTAAAGTGTAAATATTTGTATG	1500
Qy	1501	TTTTGTATCAATAGCATAATTAACCTTTGTTAAGCAAGTATGGTCTTGATTAATGCATTAGAA	1560
Db	1501	TTTTGTATCAATAGCATAATTAACCTTTGTTAAGCAAGTATGGTCTTGATTAATGCATTAGAA	1560
Qy	1561	AAATTAATAATTAATTTTCTTTTGTAAATTTACCATTTTAAATACCTTTTGAAATATCCCTT	1620
Db	1561	AAATTAATAATTAATTTTCTTTTGTAAATTTACCATTTTAAATACCTTTTGAAATATCCCTT	1620
Qy	1621	TGTGTCAGAGTAAATATGATTTGATCTTGCCTTTTGTATCATGGAGGTCACTCTGAAAGT	1680
Db	1621	TGTGTCAGAGTAAATATGATTTGATCTTGCCTTTTGTATCATGGAGGTCACTCTGAAAGT	1680
Qy	1681	GATTTTTTTTGGTAAAGGAAATCTTTGACTACTTTATATTTCTTAAAGGAATATTTCTTTA	1740
Db	1681	GATTTTTTTTGGTAAAGGAAATCTTTGACTACTTTATATTTCTTAAAGGAATATTTCTTTA	1740
Qy	1741	TATACTTCAAAATTTAGAACCTTAACCTTTTAAAGTTTCTTCTGTAATTTGTGAACGGGTG	1800
Db	1741	TATACTTCAAAATTTAGAACCTTAACCTTTTAAAGTTTCTTCTGTAATTTGTGAACGGGTG	1800
Qy	1801	ATTATTTATTAATCTAGATAAGCAGGTACTAGAAACCAAACTCAGAAAAATGTTTACTGT	1860
Db	1801	ATTATTTATTAATCTAGATAAGCAGGTACTAGAAACCAAACTCAGAAAAATGTTTACTGT	1860
Qy	1861	TAGAAATCTATTAATTTTAAAGTCTGTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTT	1920
Db	1861	TAGAAATCTATTAATTTTAAAGTCTGTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTT	1920
Qy	1921	ACCAGACATTCATGAAAGGATGCGAGTTTCTCATTTGTGACAGTTTCTTTTAAATAAAC	1980
Db	1921	ACCAGACATTCATGAAAGGATGCGAGTTTCTCATTTGTGACAGTTTCTTTTAAATAAAC	1980
Qy	1981	ACATACACATTTTAAAGATTAATCTAACTGGAAGTCAGCTTGGAAAAATGGACAT	2040
Db	1981	ACATACACATTTTAAAGATTAATCTAACTGGAAGTCAGCTTGGAAAAATGGACAT	2040
Qy	2041	TTCCCAAGTATGTTGGTGAGTCACAGATATAAAATAGAAAATCTGATGAGAGGTTTCAG	2100
Db	2041	TTCCCAAGTATGTTGGTGAGTCACAGATATAAAATAGAAAATCTGATGAGAGGTTTCAG	2100
Qy	2101	TTTTTAATACCAAGTCTTTAGGAGTCTTAACATTTGGCAGCATCTGTTTATCNAATGACA	2160
Db	2101	TTTTTAATACCAAGTCTTTAGGAGTCTTAACATTTGGCAGCATCTGTTTATCNAATGACA	2160
Qy	2161	TAAATACGTAACCTTATAGAAATTAAGTTTATTAATAGGCAATTTATGCTGTGATAAT	2220
Db	2161	TAAATACGTAACCTTATAGAAATTAAGTTTATTAATAGGCAATTTATGCTGTGATAAT	2220
Qy	2221	TCCTACGGGAGAAAGAGGATTTGATTTGAAAGCAGTTTGGGAGAAAGTCTGCTGAAAT	2280
Db	2221	TCCTACGGGAGAAAGAGGATTTGATTTGAAAGCAGTTTGGGAGAAAGTCTGCTGAAAT	2280
Qy	2281	TTCCAGAAATTTAATGATTTGATTTGATTAATTAATTAATTAATTAATTAATTAATTAAT	2340
Db	2281	TTCCAGAAATTTAATGATTTGATTTGATTAATTAATTAATTAATTAATTAATTAATTAAT	2340
Qy	2341	AAACAAAAAATAAC 2354	
Db	2341	AAACAAAAAATAAC 2354	

RESULT 5  
US-10-425-114-26852  
; Sequence 26852, Application US/10425114  
; Publication No. US2004003488A1  
; GENERAL INFORMATION:  
; APPLICANT: Liu, Jingdong



; APPLICANT: Zhou, Yihua  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Screen, Steven E.  
; APPLICANT: Tabaska, Jack E.  
; APPLICANT: Cao, Yongwei  
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21(53313)B  
; CURRENT APPLICATION NUMBER: US/10/425,114  
; CURRENT FILING DATE: 2003-04-28  
; NUMBER OF SEQ ID NOS: 73128  
; SEQ ID NO 26852  
; LENGTH: 4035  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: Clone ID: LIB4654-056-G4\_FLI  
US-10-425-114-26852

Query Match 81.1%; Score 1908.4; DB 18; Length 4035;

Best Local Similarity 99.9%; Pred. No. 0;

Matches 1909; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy	398	ATATGAATCGTGACACTTTGGTGAAGGAGCTTTGGCAAAAGTTGTAGAGTGCATTGA	457
Db	2126	AGATGAATCGTGACACTTTGGTGAAGGAGCTTTGGCAAAAGTTGTAGAGTGCATTGA	2185
Qy	458	TCATGGCATCGATGGCATGATGTAGCAGTGAAGGAGCTTTGGCAAAAGTTGTAGAGTGCATTGA	517
Db	2186	TCATGGCATCGATGGCATGATGTAGCAGTGAAGGAGCTTTGGCAAAAGTTGTAGAGTGCATTGA	2245
Qy	518	TGAAGCAGCTCGTTGAGAAATCAAGTATTAAGGAGCTTTGAAATAGTACTGATCCCAATAG	577
Db	2246	TGAAGCAGCTCGTTGAGAAATCAAGTATTAAGGAGCTTTGAAATAGTACTGATCCCAATAG	2305
Qy	578	TGCTTCCGATGTCCAGATGCTAGATGCTTGTGATCATCATGCTGCTGTTGTTGT	637
Db	2306	TGCTTCCGATGTCCAGATGCTAGATGCTTGTGATCATCATGCTGCTGTTGTTGT	2365
Qy	638	GTTTGAATCTGGGACTAGTACTTACGATTTTCAATTAAGAAACACAGCTTCTGCGCAT	697
Db	2366	GTTTGAATCTGGGACTAGTACTTACGATTTTCAATTAAGAAACACAGCTTCTGCGCAT	2425
Qy	698	TCAAAATGACCATCAGGAGATGGCGTATCAGATCTGCCAGTCAATAAATTTTAC	757
Db	2426	TCAAAATGACCATCAGGAGATGGCGTATCAGATCTGCCAGTCAATAAATTTTAC	2485
Qy	758	TCATAATAATTAACCATACAGATCTGAAGCTGAAATATTTTGTGTGAAGTCTGA	817
Db	2486	TCATAATAATTAACCATACAGATCTGAAGCTGAAATATTTTGTGTGAAGTCTGA	2545
Qy	818	CTATGTAGTCAAAATATAATTTTAAATGAACCGTGAACGACACCTGAAACACAGA	877
Db	2546	CTATGTAGTCAAAATATAATTTTAAATGAACCGTGAACGACACCTGAAACACAGA	2605
Qy	878	TATCAAAAGTTGTGACTTTGGAAGTCAACGATGATGAATGAACATCAGAGTACTTGGT	937
Db	2606	TATCAAAAGTTGTGACTTTGGAAGTCAACGATGATGAATGAACATCAGAGTACTTGGT	2665
Qy	938	GTCTACCCGCACTACAGAGCTCCGAGTCAATTTGGCTTTAGTTGGTCTCAGCCTTG	997
Db	2666	GTCTACCCGCACTACAGAGCTCCGAGTCAATTTGGCTTTAGTTGGTCTCAGCCTTG	2725
Qy	998	TGATGTTTGGAGCATAGTTGTCATTTTATTTGAATATTACCTTTGTTTACAGTCTTTCA	1057
Db	2726	TGATGTTTGGAGCATAGTTGTCATTTTATTTGAATATTACCTTTGTTTACAGTCTTTCA	2785
Qy	1058	GACTCATGATAGTAAAGAGCAGCTGGCAATGATGGAACGAATATTAGGACCCATACACA	1117
Db	2786	GACTCATGATAGTAAAGAGCAGCTGGCAATGATGGAACGAATATTAGGACCCATACACA	2845
Qy	1118	ACACATGATTCAGAAAAACAAGAAACCGCAAGTATTTTCCACATAACAGCTAGATTGGGA	1177

Db	2846	ACACATGATTCAGAAAAACAAGAAACCGCAAGTATTTTCCACATAACAGCTAGATTGGGA	2905
Qy	1178	TGAACACAGTTCTGCTGGTAGATATGTTAGGAGACGCTGCAAAACCGTTGAAGGAATTTAT	1237
Db	2906	TGAACACAGTTCTGCTGGTAGATATGTTAGGAGACGCTGCAAAACCGTTGAAGGAATTTAT	2965
Qy	1238	GCTTTGTCATGATGAAGAACATGAGAAACCTGTTTGAACCTGTTTGAAGAAATGTTAGNAATA	1297
Db	2966	GCTTTGTCATGATGAAGAACATGAGAAACCTGTTTGAACCTGTTTGAAGAAATGTTAGNAATA	3025
Qy	1298	TGATCCAACCTCAAAAGAAATTAACCTTGGATGAAGCAATTCGAGCATCTCTTTTCTTACCTATT	1357
Db	3026	TGATCCAACCTCAAAAGAAATTAACCTTGGATGAAGCAATTCGAGCATCTCTTTTCTTACCTATT	3085
Qy	1358	AAAAAGAAATGAAATGGGAATCAGTGGTCTTACTATATATCTCTCTAGAGAGATTAAT	1417
Db	3086	AAAAAGAAATGAAATGGGAATCAGTGGTCTTACTATATATCTCTCTAGAGAGATTAAT	3145
Qy	1418	TAAGACTGTGTCAGTCAACTAAACATTTCTAATATTTTGTAAACATTAATTTATTTTGTGA	1477
Db	3146	TAAGACTGTGTCAGTCAACTAAACATTTCTAATATTTTGTAAACATTAATTTATTTTGTGA	3205
Qy	1478	CAGTTAAGTGTAAATATTTGATGTTTGTATCAATAGCATAATTAACCTGTTAAGCAAGT	1537
Db	3206	CAGTTAAGTGTAAATATTTGATGTTTGTATCAATAGCATAATTAACCTGTTAAGCAAGT	3265
Qy	1538	ATGCTCTTGTGAATGCAATAGAAAAATTAATAATTTTCTTTTGTAAATTAACCAATTT	1597
Db	3266	ATGCTCTTGTGAATGCAATAGAAAAATTAATAATTTTCTTTTGTAAATTAACCAATTT	3325
Qy	1598	TTAAATACCTTTGAAATATCTTTGTCAGTGAATAATGATGATGATCTGCTGCTTTTG	1657
Db	3326	TTAAATACCTTTGAAATATCTTTGTCAGTGAATAATGATGATGATCTGCTGCTTTTG	3385
Qy	1658	TACATCGAGTCACTCTGAAGTGATTTTGTGAGTAAAGGAAATCTTGACTACTTTTA	1717
Db	3386	TACATCGAGTCACTCTGAAGTGATTTTGTGAGTAAAGGAAATCTTGACTACTTTTA	3445
Qy	1718	TATTTTAAAGGAATATCTTTATATATCTTCAAAATTTAGAACTTAACTTTTAAAGTTTTT	1777
Db	3446	TATTTTAAAGGAATATCTTTATATATCTTCAAAATTTAGAACTTAACTTTTAAAGTTTTT	3505
Qy	1778	CTTCTGTAAATGTTGAACGGGTGATTTATTTAACTCTAGATGAAGCGGTAAGTAAAC	1837
Db	3506	CTTCTGTAAATGTTGAACGGGTGATTTATTTAACTCTAGATGAAGCGGTAAGTAAAC	3565
Qy	1838	AAAACTCAGAAATGTTTACTGTTAGAATCTTAAATTTTAAAGTGTGCTGATTTCTTTT	1897
Db	3566	AAAACTCAGAAATGTTTACTGTTAGAATCTTAAATTTTAAAGTGTGCTGATTTCTTTT	3625
Qy	1898	CATTGGGTGATGTGAGGTGATAACAGACATTTCTGGAAGGCGATGCTGCTGCTCAAT	1957
Db	3626	CATTGGGTGATGTGAGGTGATAACAGACATTTCTGGAAGGCGATGCTGCTGCTCAAT	3685
Qy	1958	GTGACAGTTTGTAAATAAACAACATACACATCTTTTATTTAAAGTAAATTAACCTGGA	2017
Db	3686	GTGACAGTTTGTAAATAAACAACATACACATCTTTTATTTAAAGTAAATTAACCTGGA	3745
Qy	2018	AAGTCAGCTTGGAAATGACATTTTCCAGTATGTTTGGTGAAGTCAAGATATAAATAAATA	2077
Db	3746	AAGTCAGCTTGGAAATGACATTTTCCAGTATGTTTGGTGAAGTCAAGATATAAATAAATA	3805
Qy	2078	GAAATCTGATGAGAGGTTTTCAGTTTTTAAATACCAAGTCTTCTAGGAGTCTTAACTGGC	2137
Db	3806	GAAATCTGATGAGAGGTTTTCAGTTTTTAAATACCAAGTCTTCTAGGAGTCTTAACTGGC	3865
Qy	2138	CAGCATCTGTTTATCAAAATGACATAAATACGTAAACCTTAAAGATTAAGTTTATTAAT	2197
Db	3866	CAGCATCTGTTTATCAAAATGACATAAATACGTAAACCTTAAAGATTAAGTTTATTAAT	3925
Qy	2198	AGGCAATTTATCTGCTGATTAATTTCTTACGGGAGAAAGGATTTCTGTAAGGAGGTT	2257
Db	3926	AGGCAATTTATCTGCTGATTAATTTCTTACGGGAGAAAGGATTTCTGTAAGGAGGTT	3985

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QY 2258 TGGGAAGAAAGTCTGCTGAATATTCAGAAATTTAAATTTGATTGTTACAT 2307
Db 3986 TGGGAAGAAAGTCTGCTGAATATTCAGAAATTTAAATTTGATTGTTACAT 4035

RESULT 6
US-10-267-502-135
; Sequence 135, Application US/10267502
; Publication No. US20040071700A1
; GENERAL INFORMATION:
; APPLICANT: Kim, Jaeseob
; APPLICANT: Galant, Ron
; TITLE OF INVENTION: Obesity Linked Genes
; FILE REFERENCE: LSD-07416
; CURRENT APPLICATION NUMBER: US/10/267,502
; CURRENT FILING DATE: 2003-01-27
; NUMBER OF SEQ ID NOS: 439
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 135
; LENGTH: 1446
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-267-502-135

Query Match 54.6%; Score 1286; DB 18; Length 1446;
Best Local Similarity 100.0%; Pred. No. 1.8e-255;
Matches 1286; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 85 GTCATTATTTAGAGCAAGCTCTTGAATCAGGAGATATTCGGACCGGAGATAGCTTG 144
Db 161 GTCATTATTTAGAGCAAGCTCTTGAATCAGGAGATATTCGGACCGGAGATAGCTTG 220

QY 145 ACGAATCAGGAATGACTACTGTGAAGGATATGTTCTAGACATTTATCAGAGACATTG 204
Db 221 ACGAATCAGGAATGACTACTGTGAAGGATATGTTCTAGACATTTATCAGAGACATTG 280

QY 205 AAAGGGGTATCGAATCCACTGCGAGTAATCTTCAGTCCGACGAGAGAGCAGTCCCTA 264
Db 281 AAAGGGGTATCGAATCCACTGCGAGTAATCTTCAGTCCGACGAGAGAGCAGTCCCTA 340

QY 265 AAAGGAAGCGCAATAGACACTGTTTCAAGTCATCATGTCACGTTCGAAGAGCCACCGAAG 324
Db 341 AAAGGAAGCGCAATAGACACTGTTTCAAGTCATCATGTCACGTTCGAAGAGCCACCGAAG 400

QY 325 AAAGATCCAGGATATAGAGGATGATGAGGAGGTCACTGATCTGTCAAAGTGGAGCG 384
Db 401 AAAGATCCAGGATATAGAGGATGATGAGGAGGTCACTGATCTGTCAAAGTGGAGCG 460

QY 385 TTCTAAGACCAAGATATGAATCGTGGACACTTTGGGTGAAGGAGCCCTTTGGCAAGTTG 444
Db 461 TTCTAAGACCAAGATATGAATCGTGGACACTTTGGGTGAAGGAGCCCTTTGGCAAGTTG 520

QY 445 TAGAGTGCAATTCATCATGCAATGATGATGATGATGATGATGATGATGATGATGATG 504
Db 521 TAGAGTGCAATTCATCATGCAATGATGATGATGATGATGATGATGATGATGATGATG 580

QY 505 TAGGCGGTACCGTGAAGCAGCTGTTTCAAGATCCAAAGTATGAGACACTTAAATAGTA 564
Db 581 TAGGCGGTACCGTGAAGCAGCTGTTTCAAGATCCAAAGTATGAGACACTTAAATAGTA 640

QY 565 CTGATCCCAATAGTGTCTTCCGATGTGTCAGATGCTAGATGTTTGTATCATCATGTC 624
Db 641 CTGATCCCAATAGTGTCTTCCGATGTGTCAGATGCTAGATGTTTGTATCATCATGTC 700

QY 625 ATGTTTGTATGTTTGAATCTGAGTGGACTTAGTACTTACGATTTCAATTAAGAAAAACA 684
Db 701 ATGTTTGTATGTTTGAATCTGAGTGGACTTAGTACTTACGATTTCAATTAAGAAAAACA 760

QY 685 GCTTTCTGCCATTTCAAATTTGACCATCAGGAGATGCGGTATCAGATCTGCCAGTCAA 744
Db 761 GCTTTCTGCCATTTCAAATTTGACCATCAGGAGATGCGGTATCAGATCTGCCAGTCAA 820

1745 TAAATTTTTCATCATATAAATTAACCCATACAGATCTGAAGCCTGAAATATTTTGT 804
1821 TAAATTTTTCATCATATAAATTAACCCATACAGATCTGAAGCCTGAAATATTTTGT 880
1805 TTTGTGAAGTCTGACTATGATGATGATGATGATGATGATGATGATGATGATGATGATG 864
1881 TTTGTGAAGTCTGACTATGATGATGATGATGATGATGATGATGATGATGATGATGATG 940
1865 TGAATAACACAGATATCAAAGTGTGTTGACTTTTGGAGTGCACACGATGATGATGATG 924
1941 TGAATAACACAGATATCAAAGTGTGTTGACTTTTGGAGTGCACACGATGATGATGATG 1000
1925 ACAGTACTTTTGGTGTCTTACCCGGCACTACAGAGCTCCCGAGGTCAATTTGGCTTTAG 984
11001 ACAGTACTTTTGGTGTCTTACCCGGCACTACAGAGCTCCCGAGGTCAATTTGGCTTTAG 1060
1985 GGTCTCAGCCTTGTGATGTTTGGAGCATAGTTTGGATTTCTTATTGAATATTTACCTTGG 1044
11061 GGTCTCAGCCTTGTGATGTTTGGAGCATAGTTTGGATTTCTTATTGAATATTTACCTTGG 1120
11045 TCACAGTCTTTTTCAGACTCATGATAGTAAAGAGCACCCTGGCAATGATGATGATGATG 1104
11121 TCACAGTCTTTTTCAGACTCATGATAGTAAAGAGCACCCTGGCAATGATGATGATGATG 1180
11105 GACCCATACCAACACATGATTCAGAAACACAGAAACGCAAGTATTTTCCACATAACC 1164
11181 GACCCATACCAACACATGATTCAGAAACACAGAAACGCAAGTATTTTCCACATAACC 1240
11165 AGCTAGATTTGGGATGAACACAGTCTCTCTGCTAGATATGTTAGGAGACGCTGCAACCG 1224
1241 AGCTAGATTTGGGATGAACACAGTCTCTCTGCTAGATATGTTAGGAGACGCTGCAACCG 1300
1225 TGAAGGAATTTATGCTTGTGATGATGATGATGATGATGATGATGATGATGATGATG 1284
1301 TGAAGGAATTTATGCTTGTGATGATGATGATGATGATGATGATGATGATGATGATG 1360
1285 GAATGTTAGATATGATCCAACTCAAGAAATTTACCTTGGATGAAAGCAATTCAGATCCT 1344
1361 GAATGTTAGATATGATCCAACTCAAGAAATTTACCTTGGATGAAAGCAATTCAGATCCT 1420
1345 TCTTTGACTTTATTAAGAAAGAAATGA 1370
1421 TCTTTGACTTTATTAAGAAAGAAATGA 1446

RESULT 7
US-10-641-699
; Sequence 699, Application US/10641643
; Publication No. US20040077003A1
; GENERAL INFORMATION:
; APPLICANT: Cocks, Benjamin G.
; APPLICANT: Susan G. Stuart
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL
; GENE EXPRESSION
; NUMBER OF SEQUENCES: 1508
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/641,643
; FILING DATE: 14-Aug-2003
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
```

APPLICATION NUMBER: <Unknown>  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Zeller, Karen J.  
REGISTRATION NUMBER: 37,071  
REFERENCE/DOCKET NUMBER: PA-0001 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (650) 855-0555  
TELEFAX: (650) 845-4166  
INFORMATION FOR SEQ ID NO: 699:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1456 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: HNT2AGT01  
CLONE: 488842  
SEQUENCE DESCRIPTION: SEQ ID NO: 699 :  
US-10-641-643-699

Query Match 50.1%; Score 1178.2; DB 18; Length 1456;  
Best Local Similarity 99.7%; Pred. No. 3.5e-233;  
Matches 1191; Conservative 0; Mismatches 3; Indels 1; Gaps 1;  
1003 TTGAGCATAGGTTGCAATCTTATTGAATATACCTTGGTTTCACAGTCTTTCAGACTC 1062  
1062 TGATGATTAAGAGCAGCTGCGCATGATGGACCAATATTAGGACCCATACCACACACA 1122  
1122 ATGATGATTAAGAGCAGCTGCGCATGATGGACCAATATTAGGACCCATACCACACACA 1182  
1182 TGATTCAGAAAAAAGCAAGTATTTTACCATAACAGCTAGATTGGGATGAAC 1182  
1182 TGATTCAGAAAAAAGCAAGTATTTTACCATAACAGCTAGATTGGGATGAAC 1182  
1183 ACAGTTCTGCTGGTAGATATGTTAGGAGAGCTGCAACCGTTGGAAGAAATTTATGCTTT 1242  
1242 ACAGTTCTGCTGGTAGATATGTTAGGAGAGCTGCAACCGTTGGAAGAAATTTATGCTTT 501  
1243 GTCATGATGAGACATGAGAACTGTTGACCTGTTTCCGAGCATCTTCTTGACCTTTATTAATA 1302  
1302 GTCATGATGAGACATGAGAACTGTTGACCTGTTTCCGAGCATCTTCTTGACCTTTATTAATA 561  
1303 CAAGTCAAGAAATTAACCTTGGATGAAGCATTTGACGATCTTCTTGACCTTTATTAATA 1362  
1362 CAAGTCAAGAAATTAACCTTGGATGAAGCATTTGACGATCTTCTTGACCTTTATTAATA 621  
1363 AGAAATGAATGGAAATCAGTGGCTTTACTATATCTTCTAGAGAGATTTACTTTAAGA 1422  
1422 AGAAATGAATGGAAATCAGTGGCTTTACTATATCTTCTAGAGAGATTTACTTTAAGA 681  
1423 CTGTGTCAGTCAACTAATCAATCTTAATATTTTGTAAACATTAATTTTGTACAGTT 1482  
1482 CTGTGTCAGTCAACTAATCAATCTTAATATTTTGTAAACATTAATTTTGTACAGTT 741  
1483 AAGTGTAAATATCTGATGTTTGTATCAATAGCATAATTAATCTTGTAAAGCAAGTATGGT 1542  
1542 AAGTGTAAATATCTGATGTTTGTATCAATAGCATAATTAATCTTGTAAAGCAAGTATGGT 801  
1543 CTGTGTCAGTCAACTAATCAATCTTAATATTTTGTAAACATTAATTTTGTACAGTT 1601  
1601 CTGTGTCAGTCAACTAATCAATCTTAATATTTTGTAAACATTAATTTTGTACAGTT 861  
1602 ATACCTTTGAATATCTTGTGTCAGTGAATTAATCTTGTAAAGCAAGTATGGT 1661  
1661 ATACCTTTGAATATCTTGTGTCAGTGAATTAATCTTGTAAAGCAAGTATGGT 921  
1662 TGGAGGTCACCTCTGAAAGTATTTTGTAGTAAAGGAAATCTTGACTACTTTATTT 1721  
1721 TGGAGGTCACCTCTGAAAGTATTTTGTAGTAAAGGAAATCTTGACTACTTTATTT 981

1722 CTTAAGGAATATCTTTATATCTTCAAAATTTAGAACTTAACTTTAAAGTTTCTTCTTC 1781  
982 CTTAAGGAATATCTTTATATCTTCAAAATTTAGAACTTAACTTTAAAGTTTCTTCTTC 1041  
1782 TGTAAATTTGTTGAACGGGTGATTATTAATTAATCTAGATAAGCAGGTACTAGAAACCAAAA 1841  
1042 TGTAAATTTGTTGAACGGGTGATTATTAATTAATCTAGATAAGCAGGTACTAGAAACCAAAA 1101  
1842 CTGAGAAATGTTTACTGTTAGAAATCTTATTAATTTTAAAGTGTGTATTTCTTTTCAAT 1901  
1102 CTCAGAAATGTTTACTGTTAGAAATCTTATTAATTTTAAAGTGTGTATTTCTTTTCAAT 1161  
1902 GGGTGTGTCAGGGTGTATTAACAGCATTCATCGGAAGGCATCGAGTTCTGCCATTCTGA 1961  
1162 GGGTGTGTCAGGGTGTATTAACAGCATTCATCGGAAGGCATCGAGTTCTGCCATTCTGA 1221  
1962 CAGTTTGTGTTTAAATAAAACACATACACACTTTTAAAGTAAATTAATCTAACTGGAAGT 2021  
1222 CAGTTTGTGTTTAAATAAAACACATACACACTTTTAAAGTAAATTAATCTAACTGGAAGT 1281  
2022 CAGCTTGGAAAAATGGACATTTTCCAAAGTATGTTTGGTGAGTCACAGATATAAAAATAGAAA 2081  
1282 CAGCTTGGAAAAATGGACATTTTCCAAAGTATGTTTGGTGAGTCACAGATATAAAAATAGAAA 1341  
2082 TTCTGATGAGAGGTTTTCAGTTTATTAATACCAAGTCTCTTAGAGTCTTAAACATTTGCCAGC 2141  
1342 TTCTGATGAGAGGTTTTCAGTTTATTAATACCAAGTCTCTTAGAGTCTTAAACATTTGCCAGC 1401  
2142 ATCTGTTTATCAAAATGACATAAATACGTAAACCTTATAAGAAATTAAGTTTATTAAT 2196  
1402 ATCTGTTTATCAAAATGACATAAATACGTAAACCTTATAAGAAATTAAGTTTATTAAT 1456

## RESULT 8

US-09-905-999-26  
; Sequence 26, Application US/09905999  
; Patent No. US20020106771A1  
; GENERAL INFORMATION:  
; APPLICANT: NAYLER, Oliver  
; TITLE OF INVENTION: CLK PROTEIN KINASES AND RELATED PRODUCTS AND METHODS  
; FILE REFERENCE: 038602/0431  
; CURRENT APPLICATION NUMBER: US/09/905,999  
; CURRENT FILING DATE: 2001-07-17  
; PRIOR FILING DATE: 1999-07-31  
; PRIOR APPLICATION NUMBER: PCT/IB97/00946  
; PRIOR FILING DATE: 1997-06-17  
; PRIOR APPLICATION NUMBER: US 08/877,150  
; PRIOR FILING DATE: 1997-06-17  
; PRIOR APPLICATION NUMBER: US 60/034,286  
; PRIOR FILING DATE: 1996-12-19  
; NUMBER OF SEQ ID NOS: 26  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 26  
; LENGTH: 1549  
; TYPE: DNA  
; ORGANISM: Mus musculus  
US-09-905-999-26

Query Match 46.6%; Score 1097.4; DB 9; Length 1549;  
Best Local Similarity 90.6%; Pred. No. 1.8e-216;  
Matches 1170; Conservative 0; Mismatches 121; Indels 0; Gaps 0;  
85 GTCAATATTTAGAGCAAGGCTCTTGAATCAGGAGATTTATCGGACCGGAGATACGTTG 144  
239 GTCAATATTTAGAGCAAGGCTCTTGAATCAGGAGATTTATCGGACCGGAGATACGTTG 298  
145 ACGAATACAGGAATGACTACTGTGAAGGATATGTTCTTAGACATTTATCACAGACATTG 204  
299 ATGAATACAGGAATGACTACTGTGAAGGATATGTTCTTAGACATTTATCACAGACATTG 358  
205 AAAGCGGTATCGAATCCACTCGAGTAAATCTTTCAGTCCGACGAGGAGAGAGTCTTA 264

1439 GAATGTTGGAGTATGACCCAGCAGGAAGGATCACCTTGGATGAAGCAATTGCGACACCCTT 1498

1345 TCTTTGACTTATTAATAAGAAATGAAATGG 1375  
1499 TCTTTGACTTATTAATAAGAAATGAGTGGG 1529

RESULT 9

US-10-825-177-26  
; Sequence 26, Application US/10825177  
; Publication No. US20040259220A1  
; GENERAL INFORMATION:  
; APPLICANT: NAVLER, Oliver  
; APPLICANT: ULLRICH, Axel  
; TITLE OF INVENTION: CLK PROTEIN KINASES AND RELATED PRODUCTS AND METHODS  
; FILE REFERENCE: 038602/0431  
; CURRENT APPLICATION NUMBER: US/10/825,177  
; CURRENT FILING DATE: 2004-04-16  
; PRIOR APPLICATION NUMBER: US/09/905,999  
; PRIOR FILING DATE: 2001-07-17  
; PRIOR APPLICATION NUMBER: 09/127,248  
; PRIOR FILING DATE: 1999-07-31  
; PRIOR APPLICATION NUMBER: PCT/IB97/00946  
; PRIOR FILING DATE: 1997-06-17  
; PRIOR APPLICATION NUMBER: US 08/877,150  
; PRIOR FILING DATE: 1997-06-17  
; PRIOR APPLICATION NUMBER: US 60/034,286  
; PRIOR FILING DATE: 1996-12-19  
; NUMBER OF SEQ ID NOS: 26  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 26  
; LENGTH: 1549  
; TYPE: DNA  
; ORGANISM: Mus musculus  
US-10-825-177-26

Query Match 46.6%; Score 1097.4; DB 20; Length 1549;  
Best Local Similarity 90.6%; Pred. No. 1.8e-216;  
Matches 1170; Conservative 0; Mismatches 121; Indels 0; Gaps 0;

QY 85 GTCAATATTAGAACGAAGGTCCTTGAATGACGAGATATTCGGGACCGGAGATACGTTG 144  
DB 239 GTCACTATTAGAACGAAGATGCTTGAATGAGAGAGATATTCGGGACCGGAGATACAT 298  
QY 145 ACGAATACAGGAATCAGTACTGTGAAGGATATGTTCTTAGACATATTCACAGAGACAT 204  
DB 299 ATGAATACAGAAATGACTACTGCGAAGGATATGTTCCAAAGACATTCACCATAGAGAC 358  
QY 205 AAAGCGGGTATCGAATPCCATCTGACGTAAATCTTCAGTCCGACGAGGAGAGACGTCCT 264  
DB 359 AAAGCACTTACCGGATCCATTGCGAGTAAATCTTCAGTCCGAGGAGGAGAGACGCCCT 418  
QY 265 AAAGGAAGCGCAATAGACACTGTTCAAGTCATCAGTCCAGTTCGAAGAGAGCCACCGA 324  
DB 419 AGAAGAAAGCGTAAATAGACCTCTGCAAGTCATCAGTCCGATTCGAAGAGCCACCGA 478  
QY 325 AAAGATCCAGGAGTATAGAGGATGATGAGAGGGTCACTGATCTGTCGAAGTGGAGCG 384  
DB 479 AAAGATCCAGGAGTATAGAGGATGATGAGAGGGTCACTGATCTGTCGAAGTGGAGCG 538  
QY 385 TTCTAGAGCAAGATATGAATCGTCGACACTTTTGGGTGAAGGAGCCTTTGGCAAAAGTTG 444  
DB 539 TTCTAGAGCAAGATATGAATCGTCGACACTTTTGGGTGAAGGAGCCTTTGGCAAAAGTTG 598  
QY 445 TAGAGTGCATTGATTCATGGCATGGCATGGCATGGCATGGCATGGCATGGCATGGCATGG 504  
DB 599 TAGAGTGCATTGATTCATGGCATGGCATGGCATGGCATGGCATGGCATGGCATGGCAT 658  
QY 505 TAGCGCGTTACCGTGAAGCAGCTGTTTCAAGATCCAAATTCAGAGCACTTAAATAGTA 564  
DB 659 TAGGACGTGTTACCGGAGGCGAGCTGTTTCAAGATCCAAATTCAGAGCACTTAAATAG 718  
QY 565 CTGATCCCAATAGTGTCTTCCGATGTGTCCGATGTGTCCGATGTGTCCGATGTGTCC 624

DB 359 AAAGCACTTACCGGATCCATTGCAATAATCTCAGTCAGAGCAGGAGACGACCCCTA 418  
QY 265 AAAGGAAGCGCAATAGACACTGTTCAAGTCATCAGTCCAGTTCGAAGAGCCACCGA 324  
DB 419 AGAAGAAAGCGTAAATAGACCTCTGCAAGTCATCAGTCCGATTCGAAGAGCCACCGA 478  
QY 325 AAAGATCCAGGAGTATAGAGGATGATGAGAGGGTCACTGATCTGTCGAAGTGGAGCG 384  
DB 479 AAAGATCCAGGAGTATAGAGGATGATGAGAGGGTCACTGATCTGTCGAAGTGGAGCG 538  
QY 385 TTCTAGAGCAAGATATGAATCGTCGACACTTTTGGGTGAAGGAGCCTTTGGCAAAAGTTG 444  
DB 539 TTCTAGAGCAAGATATGAATCGTCGACACTTTTGGGTGAAGGAGCCTTTGGCAAAAGTTG 598  
QY 445 TAGAGTGCATTGATTCATGGCATGGCATGGCATGGCATGGCATGGCATGGCATGGCAT 504  
DB 599 TAGAGTGCATTGATTCATGGCATGGCATGGCATGGCATGGCATGGCATGGCATGGCAT 658  
QY 505 TAGGCGGTTACCGGAGGCGAGCTGTTTCAAGATCCAAATTCAGAGCACTTAAATAGTA 564  
DB 659 TAGGCGGTTACCGGAGGCGAGCTGTTTCAAGATCCAAATTCAGAGCACTTAAATAGTA 718  
QY 565 CTGATCCCAATAGTGTCTTCCGATGTGTCCGATGTGTCCGATGTGTCCGATGTGTCC 624  
DB 719 CTGACCCCAACAGTGTCTTCCGATGTGTCCGATGTGTCCGATGTGTCCGATGTGTCC 778  
QY 625 ATGTTTGTATGTGTTGAACTACTGGGACTTACGAGTCTTACGATTTTCAATGAAGAA 684  
DB 779 ATGTTTGTATGTGTTGAACTACTGGGACTTACGAGTCTTACGATTTTCAATGAAGAA 838  
QY 685 GCTTCTCTGCCATTTCAAATGACCAATCAGGAGATGGGATGATCAGATCTGCGAGTCAA 744  
DB 839 GTTCTCTGCCATTTCAAATGATCAGATCAGGAGATGGGATGATCAGATCTGCGAGTCAA 898  
QY 745 TAAATTTTACATCAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTA 804  
DB 899 TAAATTTTACATCAATTAATTAATTAATTAATTAATTAATTAATTAATTAATTAAT 958  
QY 805 TTGTGAAGTCTGACTATAGTCAAAATATAATTTCTAAATGAACGATGAAGCGCAC 864  
DB 959 TTGTGAAGTCTGACTATAGTCAAAATATAATTTCTAAATGAACGATGAAGCGCAC 1018  
QY 865 TGAAGAAACAGATATCAAGTGTGTTGACTTTGGAAGTGCAACGATGATGATGAACATC 924  
DB 1019 TGAAGAAACAGATATCAAGTGTGTTGACTTTGGAAGTGCAACATATGACGACGACAT 1078  
QY 925 ACAGTACTTTGGTGTCTACCCGGCACTACAGAGCTCCCGAGGTCATTTTGGCTTAGGTT 984  
DB 1079 ATAGTACTTTGGTGTCTACAGGCACTACAGGCTCCAGAGTCAATTTTGGCTTAGGTT 1138  
QY 985 GGTCTCAGCCTTTGGTGTCTTGGAGCATAGGTTGCAATCTTATGAGTACTACCTTGGT 1044  
DB 1139 GGTCTCAGCCTTTGGTGTCTTGGAGCATAGGTTGCAATCTTATGAGTACTACCTTGGT 1198  
QY 1045 TCACAGTCTTTACAGCTCATGATAGTAAAGAGACCTGCGCAATGATGAACGATATAG 1104  
DB 1199 TCACAGTCTTTACAGCTCATGATAGTAAAGAGACCTGCGCAATGATGAAGCGGATCT 1258  
QY 1105 GACCCATACACAACATGATTCAGAAACAGAGAAACGCAAGTATTTTACACCAATACC 1164  
DB 1259 GACCCATCCAGCACAATATGATCCAGAAACAGAGAAACGCAAGTATTTTACACCAATACC 1318  
QY 1165 AGCTAGATTCGGGATGAACACAGTCTTCTGCTGGTATGATGTTAGGAGACGCTGCAACCGT 1224  
DB 1319 AGCTAGATTCGGGATGAACACAGTCTTCTGCTGGTATGATGTTAGGAGACGCTGCAACCGT 1378  
QY 1225 TGAAGGAATTTATGCTTTGTCATGATGAAGAAACATGAGAACTGTTTGAACCTGTTCCGAA 1284  
DB 1379 TAAAGGAATTTATGCTGTGTCATGACGAGGAGCATGAGAACTGTTTGAACCTGTTCCGAA 1438  
QY 1285 GAATGTTAGATATGATCCAACTCAAAGAATTTACCTTTGGATGAAGCAATTGCGACATCT 1344

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Db 719 CTGACCCCAACAGTGTCTTCGATGCGTCCAGATGCTAGAGTGGTTTGTATCATCATGGTC 778
Qy 625 ATGTTTGTATGTTTGAACACTCTGGGACTTAGTACTTAGTATTCATTTAAAGAAACA 684
Db 779 ATGTTTGTATGTTTGAAGCTGCTGGGACTTAGTACTTAGTATTCATTTAAAGAAATA 838
Qy 685 GCTTTCTGCCATTTCAAATTTGACACATCAGGACATGCGGTATCAGATCTGCCAGTCAA 744
Db 839 GTTTTCTGCCATTTCAAATTTGATCAGATCAGGCAATGGCTTATCAGATCTGCCAGTCTA 898
Qy 745 TAAATTTTACATCATATAAATTAACCCATACAGATCTGAAGCCTGAAATATTTTGT 804
Db 899 TAAATTTTACATCATATAAATTAACACACGACCTTAAACCTTGAAATATTTTAT 958
Qy 805 TTGTGAAGTCTGACTATGTAGTCAAAATATAATTTCTAAATGAACGATGAACGACAC 864
Db 959 TTGTGAAGTCTGACTATGTAGTCAAAATACAATTTCTAAATGAACGAGATGAGCGCACAT 1018
Qy 865 TGAATAACACAGATATCAAAGTTGTGACTTTGGAAGTGAACGATATGATGAACATC 924
Db 1019 TGAATAACACAGATATCAAAGTTGTGATTTTGAAGTGAACATATGAGGACGAAATC 1078
Qy 925 ACAGTACTTTGGTGTCTACCGGCACTACAGAGCTCCGAGGTCATTTTGGCTTAGGTT 984
Db 1079 ATAGTACTTTGGTGTCCAAAGGCACTACAGGCTCCAGAGGTCATTTTGGCTTAGGTT 1138
Qy 985 GGTCTCAGCCTTTGTGATGTTTGGAGCATAGGTTGCAATTTTATTGAATATTTACCTTGGTT 1044
Db 1139 GGTCTCAGCCTTTGTGATGTTTGGAGCATAGGTTGCAATTTTATTGAGTACTACCTTGGT 1198
Qy 1045 TCACAGTCTTTAGCATCATGATAGTAAAGAGCACCTGGCAATGATGAACGAAATATTAG 1104
Db 1199 TCACAGTCTTTAGCATCATGATAGTAAAGAGCACCTGGCAATGATGAACGAAATATTAG 1258
Qy 1105 GACCCATACCACACACATGATTCAGAAACAGAAACGCAAGTATTTTCAACATTAAC 1164
Db 1259 GACCCATACCACACACATGATTCAGAAACAGAAACGCAAGTATTTTCAACATTAAC 1318
Qy 1165 AGCTAGATTGGGATGAACACAGATTTCTGCTGGTAGATATGTTAGGAGACGCTGCAAAACCGT 1224
Db 1319 AGCTAGATTGGGAGCAGCATGTTTACGCTGGAGATATGTTAGGAGACGCTGCAAAACCGT 1378
Qy 1225 TGAAGGAATTTATGCTTTGTCATGATGAAGAAACATGAGAAACCTGTTTGAACCTGGTGA 1284
Db 1379 TAAAGGAATTTATGCTGTGTCATGACGACGAGCATGAGAAAGCTGTTTGAACCTGGTGA 1438
Qy 1285 GAATGTTAGATATGATCCAACTCAAGAAATACCTTGGATGAGCAATTCAGCATCTT 1344
Db 1439 GAATGTTGGAGTATGACCCAGCGAGAGGATCACCTTTGGATGAAGCATTCAGACACCTT 1498
Qy 1345 TCTTTGACTTATTAATAAAGAAATGAATGG 1375
Db 1499 TCTTTGACTTATTAATAAAGAAATGAGTGGG 1529
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## RESULT 10

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US-10-267-502-138
; Sequence 138, Application US/10267502
; Publication No. US20040071700A1
; GENERAL INFORMATION:
; APPLICANT: Kim, Jaeseob
; APPLICANT: Galant, Ron
; TITLE OF INVENTION: Obesity Linked Genes
; FILE REFERENCE: LSD-07416
; CURRENT APPLICATION NUMBER: US/10/267,502
; CURRENT FILING DATE: 2003-01-27
; NUMBER OF SEQ ID NOS: 439
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 138
; LENGTH: 1446
; TYPE: DNA
; ORGANISM: Mus musculus
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US-10-267-502-138

Query Match 46.6%; Score 1097.2; DB 18; Length 1446;

Best Local Similarity 90.8%; Pred. No. 1.9e-216;

Matches 1168; Conservative 0; Mismatches 118; Indels 0; Gaps 0;

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Qy 85 GTCAATTATTAGAAAGCAAGGTCTTGAATGAGCGAGATTATCGGACCGGAGATACGTTG 144
Db 161 GTCACACTATTAGAAAGCAAGATGCTTGAATGAGAGAGATTATCGGACCGGAGATACATTG 220
Qy 145 ACCAATACAGAAATGACTACTGTGAAGGATATGTTCTTACAGACATTTATCAGAGACATTG 204
Db 221 ATGATATACAGAAATGACTACTGTGAAGGATATGTTCCAGACATTTACCATAGAGACGTTG 280
Qy 205 AAAGCGGTATCGAATCCACTGTCAGTAAATCTTTCAGTCCGACGAGGAGAGAGTCCCTA 264
Db 281 AAAGCACTTACCGGATCCATTGTCAGTAAATCTTTCAGTCCGAGGAGGAGAGAGCCCTA 340
Qy 265 AAAGGAAGCGCAATAGACACTGTTCAAGTCAATCAGTCACGTTTCGAGAGGCCACCGAAGGA 324
Db 341 AGAAGAAAGCGTAAATAGACCCCTGTGCAAGTCAATCAGTCGCAATTCGAAGAGCCACCGAAGGA 400
Qy 325 AAAGATCCAGGAGTATAGAGGATGATGAGGAGGTCACCTGATCTGTCAAAGTGGAGACG 384
Db 401 AAAGATCCAGGAGTATAGAGGATGATGAGGAGGTCACCTGATCTGTCAAAGTGGAGACG 460
Qy 385 TTCTAAGAGCAAGATATGAATCTGTGACACTTTTGGGTGAAGAGGCTTTTGGCAAAGTTG 444
Db 461 TTCTAAGAGCAAGATATGAATCTGTGACACTTTTGGGTGAAGAGGCTTTTGGCAAAGTTG 520
Qy 445 TAGAGTGCATTGATCATGGCATGGATGGCATGTCATGTAGCAGTGAATAATCTGAATAATG 504
Db 521 TAGAGTGCATTGATCATGGCATGGATGGCTTACATGTAGCAGTGAATAATCTGAATAATG 580
Qy 505 TAGGCGTGTACCGTGAAGCAGCTCGTTTCAAGATCCAAGTATTAGACACTTAAATAGTA 564
Db 581 TAGGAGCTTTACCGGAGGAGCAGCTCGTTTCAAGATCCAAGTATTAGGACACTTGAACAGCA 640
Qy 565 CTGATCCCAATAGTGTCTTCCGATGTGTCCAGATGCTAGAAATGGTTTGTATCATCATGGTC 624
Db 641 CTGACCCCAACAGTGTCTTCCGATGCTCCAGATGCTAGAGTGGTTTGTATCATCATGGTC 700
Qy 625 ATGTTTGTATGTTTGAACACTACTGGGACTTAGTACTTAGTACTTTCATTTAAAGAAACA 684
Db 701 ATGTTTGTATGTTTGAAGCTGCTGGGACTTGTAGTACTTATGATTTTATTAAAGAAATA 760
Qy 685 GCTTTCTGCCATTTCAAATTTGACCATCAGGACATGCGGTATCAGATCTGCCAGTCAA 744
Db 761 GTTTTCTGCCATTTCAAATTTGATCATCAGGCAATGGCTTATCAGATCTGCCAGTCTA 820
Qy 745 TAAATTTTACATCATATAAATTAACCCATACAGATCTGAAGCCTGAAATATTTTGT 804
Db 821 TAAATTTTACATCATATAAATTAACACACGACCTTAAACCTGAAATATTTTAT 880
Qy 805 TTGTGAAGTCTGACTATGATGTCAAATATAATTTCTAAATGAACGATGAACGACAC 864
Db 881 TTGTGAAGTCTGACTATGATGTCAAATATAAATTTCTAAATGAACGATGAGCGCACAT 940
Qy 865 TGAATAACACAGATATCAAAGTTGTGACTTTGGAAGTGCACGATGATGATGAACATC 924
Db 941 TGAATAACACAGATATCAAAGTTGTGATTTTGGAAAGTGCACATATGACGACGACATC 1000
Qy 925 ACAGTACTTTGGTGTCTACCCGCACTACAGAGCTCCCGAGGTCATTTTGGCTTTAGGTT 984
Db 1001 ATAGTACTTTGGTGTCCACAGGCACTACAGGCTCCAGAGGTCATTTTGGCTCTAGGTT 1060
Qy 985 GGTCTCAGGCTTTGTGATGTTTGGAGCATAGGTTGCAATTTCTTATTGAATATTTACCTTGGTT 1044
Db 1061 GGTCTCAGGCTTTGTGATGTTTGGAGCATAGGCTGCAATTTCTTATTGAGTACTACCTTGGGT 1120
Qy 1045 TCACAGTCTTTTACAGTCTATGATTAAGAGCAGCTGCAATGATGAGGACGATATTAG 1104
Db 1121 TCACAGTCTTTTACAGCAGGATAGTAAAGAGCAGCTTGGCAATGATGAGGCGGATCTTAG 1180
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Thu Aug 4 11:19:26 2005

1105 GACCATACCAACACACATGATTCAGAAAAACAAGAAACGCAAGTATTTTCAACATAACC 1164  
 1181 GACCATACCAACACATGATTCAGAAAAACAAGAAACGCAAGTATTTTCAACATAACC 1240  
 1165 AGCTAGATTGGGATGAACAACAGTCTGCTGGTAGATATGTTAGGAGCGCTGCAACCGT 1224  
 1241 AGCTAGATTGGGACGAGCATAGTTCAGCTGGGAGATATGTTAGGAGCGCTGCAACCGT 1300  
 1225 TGAGGAATTTATGCTTCTGTCATGATGAAGAACATGAGAAACTGTTTGAACCTGTTGCAA 1284  
 1301 TAAAGGAATTTATGCTTCTGTCATGATGAAGAACATGAGAAACTGTTTGAACCTGTTGCAA 1360  
 1285 GAATGTTAGATATGATCAACCTCAAGAAATTTACCTTGGATGAAGCAATTCGAGATCCTT 1344  
 1361 GAATGTTGGATGATGACCCAGGAGAGGATCACCTTGGATGAAGCAATTCGAGATCCTT 1420  
 1345 TCTTGACATTTTAAAAAGGAATGA 1370  
 1421 TCTTGACATTTTAAAAAGGAATGA 1446

RESULT 11  
 US-09-810-671-3  
 ; Sequence 3, Application US/09810671  
 ; Publication No. US20020076783A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: YAN, Chunhua et al.  
 ; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC  
 ; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES  
 ; TITLE OF INVENTION: THEREOF  
 ; FILE REFERENCE: CL000758  
 ; CURRENT APPLICATION NUMBER: US/09/810,671  
 ; CURRENT FILING DATE: 2001-06-08  
 ; NUMBER OF SEQ ID NOS: 5  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 3  
 ; LENGTH: 21234  
 ; TYPE: DNA  
 ; ORGANISM: Human  
 ; US-09-810-671-3

Query Match 46.6%; Score 1097; DB 9; Length 21234;  
 Best Local Similarity 100.0%; Pred. No. 7.3e-216;  
 Matches 1097; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1228 AGCAATTTATGCTTTCTCATGATGAAGAACATGAGAAACTGTTGACCTGTTGCAAGAA 1287  
 18138 AGCAATTTATGCTTTCTCATGATGAAGAACATGAGAAACTGTTGACCTGTTGCAAGAA 18197  
 1288 TGTAGATATGATCCAACTCAAGAAATTTACCTTGGATGAAGCAATTCGAGATCCTTTCT 1347  
 18198 TGTAGATATGATCCAACTCAAGAAATTTACCTTGGATGAAGCAATTCGAGATCCTTTCT 18257  
 1348 TTGACTTTTAAAAAGAAATGAATGGAATCAGTGGTCTTATATATATATCTCTAGA 1407  
 18258 TTGACTTTTAAAAAGAAATGAATGGAATCAGTGGTCTTATATATATATCTCTAGA 18317  
 1408 AGAGATTACTTAAGACTGTGCTAGTCACTAAACATCTTAATATTTTGTAAACATTA 1467  
 18318 AGAGATTACTTAAGACTGTGCTAGTCACTAAACATCTTAATATTTTGTAAACATTA 18377  
 1468 TTATTTTGTACAGTTAAGTGAATATGTTATGTTTGTATCAATAGCAATTAATTA 1527  
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 18438 TTAAGCAAGTATGCTTTGATTAATGCAATTAAGAAATTAATTTTCTTTTGA 18497  
 1588 ATTACCAATTTTAAATACCTTTGAAATATCTTTGTCGAGTGAATATGATGATC 1647  
 18498 ATTACCAATTTTAAATACCTTTGAAATATCTTTGTCGAGTGAATATGATGATC 18557

1648 TTGCTTTTGTACATGAGAGTCACTCTGAAGTGAATTTTGTAGTAAAAAGAAATCTT 1707  
 18558 TTGCTTTTGTACATGAGAGTCACTCTGAAGTGAATTTTGTAGTAAAAAGAAATCTT 18617  
 1708 GACTACTTTATATCTTAAAGGAATATTTCTTTATATATCTTCAAAATTTAGAACTTT 1767  
 18618 GACTACTTTATATCTTAAAGGAATATTTCTTTATATATCTTCAAAATTTAGAACTTT 18677  
 1768 AAAAGTTTTTCTTGTAAATTTGTAACGGGTGATTTATTAATCTCTAGATAAGCAGT 1827  
 18678 AAAAGTTTTTCTTGTAAATTTGTAACGGGTGATTTATTAATCTCTAGATAAGCAGT 18737  
 1828 ACTAGAAACCAAACTCGAAAAATGTTTACTGTTAGAAATTTCTTTAAATTTTAAGTGTG 1887  
 18738 ACTAGAAACCAAACTCGAAAAATGTTTACTGTTAGAAATTTCTTTAAATTTTAAGTGTG 18797  
 1888 TATTTCTTTTCAATGCGGTGATGTCAGGGGTGATAACAGACATTCATGGAAGGCATGAG 1947  
 18798 TATTTCTTTTCAATGCGGTGATGTCAGGGGTGATAACAGACATTCATGGAAGGCATGAG 18857  
 1948 TTTGTCATTTGTCAGAGTTTGTTTAATAAAACACATACACACTTTTATTAAGATTA 2007  
 18858 TTTGTCATTTGTCAGAGTTTGTTTAATAAAACACATACACACTTTTATTAAGATTA 18917  
 2008 TCTAACTGGAAAGTCAAGCTTTGGAAATGGAACATTTCCAAAGTATGTTTGGTGAATCA 2067  
 18918 TCTAACTGGAAAGTCAAGCTTTGGAAATGGAACATTTCCAAAGTATGTTTGGTGAATCA 18977  
 2068 TATAAAAATAGAAATTTCTGATGAGAGTTTTCAGTGTTTTAAATACCAAGTCTTAGGAGTCT 2127  
 18978 TATAAAAATAGAAATTTCTGATGAGAGTTTTCAGTGTTTTAAATACCAAGTCTTAGGAGTCT 19037  
 2128 TAACATTTGGCCAGCATCTGTTTATCAAAATGACATATAATAGTAACTTAAGAAATTAAG 2187  
 19038 TAACATTTGGCCAGCATCTGTTTATCAAAATGACATATAATAGTAACTTAAGAAATTAAG 19097  
 2188 TTTATTAATAGGCAATTTATGCTGTGATAATTTCTTACGGGAGAAAGAGATTTGATTG 2247  
 19098 TTTATTAATAGGCAATTTATGCTGTGATAATTTCTTACGGGAGAAAGAGATTTGATTG 19157  
 2248 GAAAGCAGTTTGGGAGAAAGTGTGCTGATAATTTCCAGAAATTTTAAATGATTGTTACAT 2307  
 19158 GAAAGCAGTTTGGGAGAAAGTGTGCTGATAATTTCCAGAAATTTTAAATGATTGTTACAT 19217  
 2308 AAACCTTTTGTACTTCAG 2324  
 19218 AAACCTTTTGTACTTCAG 19234

RESULT 12  
 US-10-109-854-3  
 ; Sequence 3, Application US/10109854  
 ; Publication No. US20020119548A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: YAN, Chunhua et al.  
 ; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC  
 ; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES  
 ; TITLE OF INVENTION: THEREOF  
 ; FILE REFERENCE: CL000758DIV  
 ; CURRENT APPLICATION NUMBER: US/10/109,854  
 ; CURRENT FILING DATE: 2002-04-01  
 ; PRIOR APPLICATION NUMBER: 60/227,470  
 ; PRIOR FILING DATE: 2000-08-24  
 ; PRIOR APPLICATION NUMBER: 09/810,671  
 ; PRIOR FILING DATE: 2001-03-19  
 ; NUMBER OF SEQ ID NOS: 5  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 3  
 ; LENGTH: 21234  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapien  
 ; US-10-109-854-3

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Query Match 46.6%; Score 1097; DB 13; Length 21234;
Best Local Similarity 100.0%; Pred. No. 7.3e-216;
Matches 1097; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1228 AGGAATTTATGCTTGTGTCATGATCAAGAACATGAGAACTGCTTTGACCTGGTTCGAAGAA 1287
Db 18138 AGGAATTTATGCTTGTGTCATGATCAAGAACATGAGAACTGCTTTGACCTGGTTCGAAGAA 18197

Qy 1288 TGTAGAAATATGATCCAACTCAAGAAATTAACCTTGGATGAAGCAATGCGAGCATCCTTTCT 1347
Db 18198 TGTAGAAATATGATCCAACTCAAGAAATTAACCTTGGATGAAGCAATGCGAGCATCCTTTCT 18257

Qy 1348 TTGACTTTATTAAGAAAGAAATGGAATGGAATCAGTGGTCTTACTATATATCTTCTAGA 1407
Db 18258 TTGACTTTATTAAGAAAGAAATGGAATGGAATCAGTGGTCTTACTATATATCTTCTAGA 18317

Qy 1408 AGACATTTACTTAAAGCTGTGTCAGTCAACTAAACATTTCTATATATTTTGTAAACATTA 1467
Db 18318 AGACATTTACTTAAAGCTGTGTCAGTCAACTAAACATTTCTATATATTTTGTAAACATTA 18377

Qy 1468 TTATTTTGTACAGTTAAGTGAATATTTGTATGTTTGTATCAATAGCATAATTAACCTTG 1527
Db 18378 TTATTTTGTACAGTTAAGTGAATATTTGTATGTTTGTATCAATAGCATAATTAACCTTG 18437

Qy 1528 TTAAGCAAGTATGCTCTTGATTAATGCAATGAGAAATTAATAATTAATTTTCTTTTGA 1587
Db 18438 TTAAGCAAGTATGCTCTTGATTAATGCAATGAGAAATTAATAATTAATTTTCTTTTGA 18497

Qy 1588 ATTTACCATTTTAAATACCTTTTGAAATATCTTTTGTGTCAGTGATAAATGCAATGATC 1647
Db 18498 ATTTACCATTTTAAATACCTTTTGAAATATCTTTTGTGTCAGTGATAAATGCAATGATC 18557

Qy 1648 TTGCTTTTGTACATGAGGTCACCTCTGAAAGTGAATTTTGTGAGTAAAGGAAATCTT 1707
Db 18558 TTGCTTTTGTACATGAGGTCACCTCTGAAAGTGAATTTTGTGAGTAAAGGAAATCTT 18617

Qy 1708 GACTACTTTATATCTTTAAAGGAATATCTTTATATATCTTCAAAATTTAGAACTTAACTTT 1767
Db 18618 GACTACTTTATATCTTTAAAGGAATATCTTTATATATCTTCAAAATTTAGAACTTAACTTT 18677

Qy 1768 AAAAGTTTTTCTCTGTAATGTTGAACGGGTGATTAATTAATTAATTAATTAATTAATTAAT 1827
Db 18678 AAAAGTTTTTCTCTGTAATGTTGAACGGGTGATTAATTAATTAATTAATTAATTAATTAAT 18737

Qy 1828 ACTAGAAACCAAACTCAGAAATGTTTACTGTGTAGAAATCTATTAATTTTAAAGTGTG 1887
Db 18738 ACTAGAAACCAAACTCAGAAATGTTTACTGTGTAGAAATCTATTAATTTTAAAGTGTG 18977

Qy 1888 TATTTCTTTTTCATTTGGGTGATGTCAGGGTGATAACCAAGATTCATCGAAAGGCGATGAG 1947
Db 18798 TATTTCTTTTTCATTTGGGTGATGTCAGGGTGATAACCAAGATTCATCGAAAGGCGATGAG 18857

Qy 1948 TTTGTCCATTTGACAGTTGTTTATTAATAAACCAATACACACTTTATTAAGATTAATA 2007
Db 18858 TTTGTCCATTTGACAGTTGTTTATTAATAAACCAATACACACTTTATTAAGATTAATA 18917

Qy 2008 TCTAACTGGAAAGTCAGCTTGGAAATGGAATTTCCAAAGTATGTTTGGTGGAGTCAGAG 2067
Db 18918 TCTAACTGGAAAGTCAGCTTGGAAATGGAATTTCCAAAGTATGTTTGGTGGAGTCAGAG 18977

Qy 2068 TATAAAATAGAAATCTGATGAGAGGTTTCAGTTTTTAAATCAAGTCTCTTAGGAGTCT 2127
Db 18978 TATAAAATAGAAATCTGATGAGAGGTTTCAGTTTTTAAATCAAGTCTCTTAGGAGTCT 19037

Qy 2128 TAACATTTGCCAGCATCTGTTTATCAATGACATTAATAGTAACCTTAAAGATTAAG 2187
Db 19038 TAACATTTGCCAGCATCTGTTTATCAATGACATTAATAGTAACCTTAAAGATTAAG 19097

Qy 2188 TTTTATTAATTTAGGCAATTTATGCTGTGATAATTTCTTTACGGGGAGAAAGAGATTGATTG 2247
Db 19098 TTTTATTAATTTAGGCAATTTATGCTGTGATAATTTCTTTACGGGGAGAAAGAGATTGATTG 19157
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US-10-339-656-3  
US-10-339-656-3  
; Sequence 3, Application US/10339656  
; Publication No. US20030134319A1  
; GENERAL INFORMATION:  
; APPLICANT: YAN, Chunhua et al.  
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC  
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES  
; TITLE OF INVENTION: THEREOF  
; FILE REFERENCE: CL0007580IV2  
; CURRENT APPLICATION NUMBER: US/10/339,656  
; PRIOR FILING DATE: 2003-01-10  
; PRIOR APPLICATION NUMBER: 10/109,854  
; PRIOR FILING DATE: 2002-04-01  
; PRIOR APPLICATION NUMBER: 09/810,671  
; PRIOR FILING DATE: 2001-03-19  
; PRIOR APPLICATION NUMBER: 60/227,470  
; PRIOR FILING DATE: 2000-08-24  
; NUMBER OF SEQ ID NOS: 5  
; SOFTWARE: Fast-Seq for Windows Version 4.0  
; SEQ ID NO 3  
; LENGTH: 21234  
; TYPE: DNA  
; ORGANISM: Homo sapien  
; US-10-339-656-3

Query Match 46.6%; Score 1097; DB 15; Length 21234;  
Best Local Similarity 100.0%; Pred. No. 7.3e-216;  
Matches 1097; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1228 AGGAATTTATGCTTGTGTCATGATCAAGAACATGAGAACTGCTTTGACCTGGTTCGAAGAA 1287  
Db 18138 AGGAATTTATGCTTGTGTCATGATCAAGAACATGAGAACTGCTTTGACCTGGTTCGAAGAA 18197  
Qy 1288 TGTAGAAATATGATCCAACTCAAGAAATTAACCTTGGATGAAGCAATGCGAGCATCCTTTCT 1347  
Db 18198 TGTAGAAATATGATCCAACTCAAGAAATTAACCTTGGATGAAGCAATGCGAGCATCCTTTCT 18257  
Qy 1348 TTGACTTTATTAAGAAAGAAATGGAATGGAATCAGTGGTCTTACTATATATCTTCTAGA 1407  
Db 18258 TTGACTTTATTAAGAAAGAAATGGAATGGAATCAGTGGTCTTACTATATATCTTCTAGA 18317  
Qy 1408 AGACATTTACTTAAAGCTGTGTCAGTCAACTAAACATTTCTATATATTTTGTAAACATTA 1467  
Db 18318 AGACATTTACTTAAAGCTGTGTCAGTCAACTAAACATTTCTATATATTTTGTAAACATTA 18377  
Qy 1468 TTATTTTGTACAGTTAAGTGAATATTTGTATGTTTGTATCAATAGCATAATTAACCTTG 1527  
Db 18378 TTATTTTGTACAGTTAAGTGAATATTTGTATGTTTGTATCAATAGCATAATTAACCTTG 18437  
Qy 1528 TTAAGCAAGTATGCTCTTGATTAATGCAATGAGAAATTAATAATTAATTTTCTTTTGA 1587  
Db 18438 TTAAGCAAGTATGCTCTTGATTAATGCAATGAGAAATTAATAATTAATTTTCTTTTGA 18497  
Qy 1588 ATTTACCATTTTAAATACCTTTTGAAATATCTTTTGTGTCAGTGATAAATGCAATGATC 1647  
Db 18498 ATTTACCATTTTAAATACCTTTTGAAATATCTTTTGTGTCAGTGATAAATGCAATGATC 18557  
Qy 1648 TTGCTTTTGTACATGAGGTCACCTCTGAAAGTGAATTTTGTGAGTAAAGGAAATCTT 1707  
Db 18558 TTGCTTTTGTACATGAGGTCACCTCTGAAAGTGAATTTTGTGAGTAAAGGAAATCTT 18617  
Qy 1708 GACTACTTTATATCTTTAAAGGAATATCTTTATATATCTTCAAAATTTAGAACTTAACTTT 1767  
Db 18618 GACTACTTTATATCTTTAAAGGAATATCTTTATATATCTTCAAAATTTAGAACTTAACTTT 18677  
Qy 1768 AAAAGTTTTTCTCTGTAATGTTGAACGGGTGATTAATTAATTAATTAATTAATTAATTAAT 1827  
Db 18678 AAAAGTTTTTCTCTGTAATGTTGAACGGGTGATTAATTAATTAATTAATTAATTAATTAAT 18737  
Qy 1828 ACTAGAAACCAAACTCAGAAATGTTTACTGTGTAGAAATCTATTAATTTTAAAGTGTG 1887  
Db 18738 ACTAGAAACCAAACTCAGAAATGTTTACTGTGTAGAAATCTATTAATTTTAAAGTGTG 18977  
Qy 1888 TATTTCTTTTTCATTTGGGTGATGTCAGGGTGATAACCAAGATTCATCGAAAGGCGATGAG 1947  
Db 18798 TATTTCTTTTTCATTTGGGTGATGTCAGGGTGATAACCAAGATTCATCGAAAGGCGATGAG 18857  
Qy 1948 TTTGTCCATTTGACAGTTGTTTATTAATAAACCAATACACACTTTATTAAGATTAATA 2007  
Db 18858 TTTGTCCATTTGACAGTTGTTTATTAATAAACCAATACACACTTTATTAAGATTAATA 18917  
Qy 2008 TCTAACTGGAAAGTCAGCTTGGAAATGGAATTTCCAAAGTATGTTTGGTGGAGTCAGAG 2067  
Db 18918 TCTAACTGGAAAGTCAGCTTGGAAATGGAATTTCCAAAGTATGTTTGGTGGAGTCAGAG 18977  
Qy 2068 TATAAAATAGAAATCTGATGAGAGGTTTCAGTTTTTAAATCAAGTCTCTTAGGAGTCT 2127  
Db 18978 TATAAAATAGAAATCTGATGAGAGGTTTCAGTTTTTAAATCAAGTCTCTTAGGAGTCT 19037  
Qy 2128 TAACATTTGCCAGCATCTGTTTATCAATGACATTAATAGTAACCTTAAAGATTAAG 2187  
Db 19038 TAACATTTGCCAGCATCTGTTTATCAATGACATTAATAGTAACCTTAAAGATTAAG 19097  
Qy 2188 TTTTATTAATTTAGGCAATTTATGCTGTGATAATTTCTTTACGGGGAGAAAGAGATTGATTG 2247  
Db 19098 TTTTATTAATTTAGGCAATTTATGCTGTGATAATTTCTTTACGGGGAGAAAGAGATTGATTG 19157



[illegible]



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RESULT 15
US-10-425-114-26212
; Sequence 26212, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kowalic, David K.
; APPLICANT: Screen, Steven E
; APPLICANT: Tabaska, Jack E
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(5313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 26212
; LENGTH: 3040
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB4115-001-H8_FLI
US-10-425-114-26212

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Query Match	41.5%	Score 977.4	DB 18	Length 3040
Best Local Similarity	99.9%	Pred. No. 1.6e-191		
Matches 978	Conservative 0	Mismatches 1	Indels 0	Gaps 0
Qy	398	ATATGAAATCGTGCACACTTTGGGTGAAGGAGCCCTTTGGCAAAGTGTGTAGAGTGCATTGA	457	
Db	2062	AGATGAAATCGTGCACACTTTGGGTGAAGGAGCCCTTTGGCAAAGTGTGTAGAGTGCATTGA	2121	
Qy	458	TCATGGCATGGATGGCATGTCATGTAGCAGTGAAATCGTAAAAATGTAGAGCGCTTACCG	517	
Db	2122	TCATGGCATGGATGGCATGTCATGTAGCAGTGAAATCGTAAAAATGTAGAGCGCTTACCG	2181	
Qy	518	TGAAGCAGCTCGTTTCAGAAATCCAAAGTATTAGACACTTAAATAGTACTGATCCCAATAG	577	
Db	2182	TGAAGCAGCTCGTTTCAGAAATCCAAAGTATTAGACACTTAAATAGTACTGATCCCAATAG	2241	
Qy	578	TGCTCTCCGATGCTCCAGATGCTAGAAATGGTTTGATCATCATGTCATGTTTGTATTGT	637	
Db	2242	TGCTCTCCGATGCTCCAGATGCTAGAAATGGTTTGATCATCATGTCATGTTTGTATTGT	2301	
Qy	638	GTTTGAACACTCTGGGACTTAGTACTTACGATTTCATTAAGAAACACAGCTTTCGCCATT	697	
Db	2302	GTTTGAACACTCTGGGACTTAGTACTTACGATTTCATTAAGAAACACAGCTTTCGCCATT	2361	
Qy	698	TCAAATTGACACATCAGGCAGATGGCGTATCAGATCTGCCAGTCAATAAATTTTAACTA	757	
Db	2362	TCAAATTGACACATCAGGCAGATGGCGTATCAGATCTGCCAGTCAATAAATTTTAACTA	2421	
Qy	758	TCATAATAAATTAACCCATCAGATCTGAAGCCTGAAATATTTTGTGTGAAGTCTGA	817	
Db	2422	TCATAATAAATTAACCCATCAGATCTGAAGCCTGAAATATTTTGTGTGAAGTCTGA	2481	
Qy	818	CTATGTAGTCAAATATAATCTAAAAATGAAACGTGATGAACGCACACTGAAAAACACAGA	877	
Db	2482	CTATGTAGTCAAATATAATCTAAAAATGAAACGTGATGAACGCACACTGAAAAACACAGA	2541	
Qy	878	TATCAAAGTTGTGACTTTGGAAGTGCAACGTATGATGATGAACATACAGTACTTTGGT	937	
Db	2542	TATCAAAGTTGTGACTTTGGAAGTGCAACGTATGATGATGAACATACAGTACTTTGGT	2601	
Qy	938	GTCTACCCGGCACTACAGAGCTCCGAGGTCAATTTGGCTTTAGTGGTCTCAGCCTTG	997	
Db	2602	GTCTACCCGGCACTACAGAGCTCCGAGGTCAATTTGGCTTTAGTGGTCTCAGCCTTG	2661	
Qy	998	TGATGTTTGGAGCATAGGTTGCATTTCTTATTGAATATATTACCTTGGTTTACAGTCTTTCA	1057	

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; CURRENT FILING DATE: 2002-04-01  
; PRIOR APPLICATION NUMBER: 60/227,470  
; PRIOR FILING DATE: 2000-08-24  
; PRIOR APPLICATION NUMBER: 09/810,671  
; PRIOR FILING DATE: 2001-03-19  
; NUMBER OF SEQ ID NOS: 5  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 1  
; LENGTH: 2354  
; TYPE: DNA  
; ORGANISM: Homo sapien  
US-10-109-854-1

Query Match 100.0%; Score 2354; DB 4; Length 2354;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 2354; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GCCAGCTGGGTTACTTTAAACACATGCTCCATGTCATCCCTCTTGAAGCTTCGCAC 60  
DB 1 GCCAGCTGGGTTACTTTAAACACATGCTCCATGTCATCCCTCTTGAAGCTTCGCAC 60  
QY 61 CTGTTGAAGAGGACATCATCCAGTCATTTATTTAGAGCAAGTCCCTTGAATGAGCGAG 120  
DB 61 CTGTTGAAGAGGACATCATCCAGTCATTTATTTAGAGCAAGTCCCTTGAATGAGCGAG 120  
QY 121 ATTATCGGACCGGAGATACGTTGACGAATACAGGAATGACTACTGTGAAGGATATGTT 180  
DB 121 ATTATCGGACCGGAGATACGTTGACGAATACAGGAATGACTACTGTGAAGGATATGTT 180  
QY 181 CTAGACATTTACAGAGACATTTCAAAGCGGATCGAATCCACTGCAGTAAATCTTCAG 240  
DB 181 CTAGACATTTACAGAGACATTTCAAAGCGGATCGAATCCACTGCAGTAAATCTTCAG 240  
QY 241 TCCGACGAGAGAGCAGTCTTAAAGAGAGCCCAATAGACACTGTTCAAGTCATCAGT 300  
DB 241 TCCGACGAGAGAGCAGTCTTAAAGAGAGCCCAATAGACACTGTTCAAGTCATCAGT 300  
QY 301 CACGTTGGAAGAGCCAGAGGAAAAAGATCCAGGAGTATAGAGGATGATGAGAGGGTC 360  
DB 301 CACGTTGGAAGAGCCAGAGGAAAAAGATCCAGGAGTATAGAGGATGATGAGAGGGTC 360  
QY 361 ACCTGATCTGCAAGTGGAGACGTTCTAAGAGCAAGATGATGAATCGTGACACTTTGG 420  
DB 361 ACCTGATCTGCAAGTGGAGACGTTCTAAGAGCAAGATGATGAATCGTGACACTTTGG 420  
QY 421 GTGAAGGAGCCTTTGGCAAAAGTTGATAGTGCATTTGATGATGCGATGCGATGCGATG 480  
DB 421 GTGAAGGAGCCTTTGGCAAAAGTTGATAGTGCATTTGATGATGCGATGCGATGCGATG 480  
QY 481 TAGCAGTGAAATCGTAAAAAATGTAGGCGTTTACCGTGAAGCAGCTCGTTTCAAAAATCC 540  
DB 481 TAGCAGTGAAATCGTAAAAAATGTAGGCGTTTACCGTGAAGCAGCTCGTTTCAAAAATCC 540  
QY 541 AAGTATTAGACCACTTAAATAGTACTATCCCATAGTGTCTCCGATGTGTCAGATGC 600  
DB 541 AAGTATTAGACCACTTAAATAGTACTATCCCATAGTGTCTCCGATGTGTCAGATGC 600  
QY 601 TAGAATGGTTGATCATCATGTCATGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 660  
DB 601 TAGAATGGTTGATCATCATGTCATGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 660  
QY 661 CTTACGATTTCAATTAAGAAAAACAGCTTTCTGCAATTTTCAAAATTTGACCAATCAGG 720  
DB 661 CTTACGATTTCAATTAAGAAAAACAGCTTTCTGCAATTTTCAAAATTTGACCAATCAGG 720  
QY 721 TGGGATTCAGATCTGCCAGTCAATTAATTTTACATCATTAATTAATTAATTAATTAATTA 780  
DB 721 TGGGATTCAGATCTGCCAGTCAATTAATTTTACATCATTAATTAATTAATTAATTAATTA 780  
QY 781 ATCTGAAGCCCTGAAAAATATTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 840  
DB 781 ATCTGAAGCCCTGAAAAATATTTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 840

QY 841 AATGAAACGCTGATGAACGACACATGAAACACACAGATATCAAAGTTGTTGACTTTGGAA 900  
DB 841 AATGAAACGCTGATGAACGACACATGAAACACACAGATATCAAAGTTGTTGACTTTGGAA 900  
QY 901 GTGCAACGCTATGATGAACACATCAGATGCTTTGGTGTCTTACCCGACACTACAGAGCTC 960  
DB 901 GTGCAACGCTATGATGAACACATCAGATGCTTTGGTGTCTTACCCGACACTACAGAGCTC 960  
QY 961 CCGAGGTCAATTTTGGCTTTAGGTTGCTCAGCCTCTGTGATGTTTGGAGCATAGTTGCA 1020  
DB 961 CCGAGGTCAATTTTGGCTTTAGGTTGCTCAGCCTCTGTGATGTTTGGAGCATAGTTGCA 1020  
QY 1021 TTCTTATGAATATTACCTTTGGTTTACAGTCTTTTACAGCTCATGATAGTAAAGACACC 1080  
DB 1021 TTCTTATGAATATTACCTTTGGTTTACAGTCTTTTACAGCTCATGATAGTAAAGACACC 1080  
QY 1081 TGGCAATGATGGAACGAATATTAGGACCCATACCAACACATGATTTTCAAGAAAAAAGAA 1140  
DB 1081 TGGCAATGATGGAACGAATATTAGGACCCATACCAACACATGATTTTCAAGAAAAAAGAA 1140  
QY 1141 AACGCAAGTATTTTACCATAACCCAGCTAGATTGGGATGAACACAGTTCTCTGCTGATAG 1200  
DB 1141 AACGCAAGTATTTTACCATAACCCAGCTAGATTGGGATGAACACAGTTCTCTGCTGATAG 1200  
QY 1201 ATGTTAGGACGCTGCAAAACCGTTGAGGAATTTATGCTTTGTTCATGATGAAGAACATG 1260  
DB 1201 ATGTTAGGACGCTGCAAAACCGTTGAGGAATTTATGCTTTGTTCATGATGAAGAACATG 1260  
QY 1261 AGAACTGTTTGAACCTGCTGTTGAGGAATTTAGAAATATGATCCAACTCAAAGAAATTTACCT 1320  
DB 1261 AGAACTGTTTGAACCTGCTGTTGAGGAATTTAGAAATATGATCCAACTCAAAGAAATTTACCT 1320  
QY 1321 TGGATGAAGCATTTGCAAGCATCTTTTCTTGACCTTTTAAAGAAAGAAATGAAATGGGAATC 1380  
DB 1321 TGGATGAAGCATTTGCAAGCATCTTTTCTTGACCTTTTAAAGAAAGAAATGAAATGGGAATC 1380  
QY 1381 AGTGGCTTACTATATATCTCTCTAGAAAGATTTACTTAAAGACTGTGTCAGTCAACTAAA 1440  
DB 1381 AGTGGCTTACTATATATCTCTCTAGAAAGATTTACTTAAAGACTGTGTCAGTCAACTAAA 1440  
QY 1441 CATTCATAATTTTGTGAAACATTTAAATTTTGTACAGTTAAGTGTAAATATTTGATG 1500  
DB 1441 CATTCATAATTTTGTGAAACATTTAAATTTTGTACAGTTAAGTGTAAATATTTGATG 1500  
QY 1501 TTTTGTATCAATAGCAATTAATTTGTTAAGCAAGTATGCTTGTGATTAATGCAATTAAGAA 1560  
DB 1501 TTTTGTATCAATAGCAATTAATTTGTTAAGCAAGTATGCTTGTGATTAATGCAATTAAGAA 1560  
QY 1561 AAATTTAAATTTTCTTTTGTGAAATTTACCAATTTTAAATACCTTTTGAATATCTCTT 1620  
DB 1561 AAATTTAAATTTTCTTTTGTGAAATTTACCAATTTTAAATACCTTTTGAATATCTCTT 1620  
QY 1621 TGTGTCAGTGATTAATGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1680  
DB 1621 TGTGTCAGTGATTAATGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1680  
QY 1681 GATTTTGTGATTAAGGAAATCTTGACTACTTTTATTTTAAAGGAAATATTTCTTTA 1740  
DB 1681 GATTTTGTGATTAAGGAAATCTTGACTACTTTTATTTTAAAGGAAATATTTCTTTA 1740  
QY 1741 TATACCTCAAATTTAGAACTTAATTTTAAAGTGTCTCTCTGTAATTTGTTGAACGGGTG 1800  
DB 1741 TATACCTCAAATTTAGAACTTAATTTTAAAGTGTCTCTCTGTAATTTGTTGAACGGGTG 1800  
QY 1801 ATTATTATTAACTCTAGATAAGCAGTACTAGAAACCAAACTCAGAAAAATGTTTACTGT 1860  
DB 1801 ATTATTATTAACTCTAGATAAGCAGTACTAGAAACCAAACTCAGAAAAATGTTTACTGT 1860  
QY 1861 TAGAATTTCTATTAATTTTAAAGTGTCTATTTTCTTTTCTTTTCTTTTCTTTTCTTTTCT 1920  
DB 1861 TAGAATTTCTATTAATTTTAAAGTGTCTATTTTCTTTTCTTTTCTTTTCTTTTCTTTTCT 1920  
QY 1921 ACCAGACATTCATGGAAAGGCATGTCAGTTTGTCCATTTGTGACAGTTTGTGTTTAAATAAAC 1980





Db	1458	TCCTTGACCTATTATAAAGAAATGAAATGGAATCAGTGGTCTTACTATATATCTCTCT	1517
Qy	1405	AGAAGAGATTACTTAAGACTGTGTCACTCAATCAATCAATCTTAATATATTTTGTAAACATT	1464
Db	1518	AGAAGAGATTACTTAAGACTGTGTCACTCAATCAATCAATCTTAATATATTTTGTAAACATT	1577
Qy	1465	AAATTAATTTTGTACAGTAAAGTGAATATTTGTATATTTTGTATCAATAGCAATAATAAC	1524
Db	1578	AAATTAATTTTGTACAGTAAAGTGAATATTTGTATATTTTGTATCAATAGCAATAATAAC	1637
Qy	1525	TTGTTAAGCAAGTATGGTCTGTGATATGCAATTAAGAAATTAATAATTTTCTTTT	1584
Db	1638	TTGTTAAGCAAGTATGGTCTGTGATATGCAATTAAGAAATTAATAATTTTCTTTT	1697
Qy	1585	GAATTTACCAATTTTAAATACCTTTGAAATATCTTTGTGTCAGTGATAAAATGTGATTG	1644
Db	1698	GAATTTACCAATTTTAAATACCTTTGAAATATCTTTGTGTCAGTGATAAAATGTGATTG	1757
Qy	1645	ATCTTGCTTTTGTACATGAGGTCACTCTGAAGTGAATTTTGTGAGTAAAGGAAAT	1704
Db	1758	ATCTTGCTTTTGTACATGAGGTCACTCTGAAGTGAATTTTGTGAGTAAAGGAAAT	1817
Qy	1705	CTTGACTACTTATATTTTAAAGGAATATCTTTATATATCTTCAAAATTTAGAACTTAAC	1764
Db	1818	CTTGACTACTTATATTTTAAAGGAATATCTTTATATATCTTCAAAATTTAGAACTTAAC	1877
Qy	1765	TTTAAAGTTTTCTCTGTAATTTGTTGAACGGGTGAATTAATTAATCTCTAGATAAGCA	1824
Db	1878	TTTAAAGTTTTCTCTGTAATTTGTTGAACGGGTGAATTAATTAATCTCTAGATAAGCA	1937
Qy	1825	GGTACTAGAAACCAAACTCAGAAATGTTTACTGTTAGAAATCTTATTAATTTTAAAGT	1884
Db	1938	GGTACTAGAAACCAAACTCAGAAATGTTTACTGTTAGAAATCTTATTAATTTTAAAGT	1997
Qy	1885	TTGTAATCTTTTCAATTTGGGTGATGTCAAGGTGATAACCAACACATACACACTTTT	1944
Db	1998	TTGTAATCTTTTCAATTTGGGTGATGTCAAGGTGATAACCAACACATACACACTTTT	2057
Qy	1945	CAGTTTGTCCATTTGTGACAGTTTGTAAATAAAACCAACATACACACTTTTATTAAGATTA	2004
Db	2058	CAGTTTGTCCATTTGTGACAGTTTGTAAATAAAACCAACATACACACTTTTATTAAGATTA	2117
Qy	2005	AAATCTAATCTGAAAGTCAAGTTTGAAATGCAATTTTCAAGTATGTTTGGTGAAGTCAAC	2064
Db	2118	AAATCTAATCTGAAAGTCAAGTTTGAAATGCAATTTTCAAGTATGTTTGGTGAAGTCAAC	2177
Qy	2065	AGATATAAAATAGAAAATTTCTGATGAGAGTTTCAAGTTTAAATACCAAGTCTTAGGAG	2124
Db	2178	AGATATAAAATAGAAAATTTCTGATGAGAGTTTCAAGTTTAAATACCAAGTCTTAGGAG	2237
Qy	2125	TCCTTAACATTTGGCCAGCATCTGTTTATCAAAATGACATAAAATACGTAAGAAATTT	2184
Db	2238	TCCTTAACATTTGGCCAGCATCTGTTTATCAAAATGACATAAAATACGTAAGAAATTT	2297
Qy	2185	AGGTTTATTAATTTAGGCAATTTTATGCTGTGATAATTTCTTACGGGAGAAAGAGATTGA	2244
Db	2298	AGGTTTATTAATTTAGGCAATTTTATGCTGTGATAATTTCTTACGGGAGAAAGAGATTGA	2357
Qy	2245	TTGGAAGCAAGTTTGGGAAGAAAGTCTGCTGAAATTTTCCAGAAATTTAATTTGATTGTTA	2304
Db	2358	TTGGAAGCAAGTTTGGGAAGAAAGTCTGCTGAAATTTTCCAGAAATTTAATTTGATTGTTA	2417
Qy	2305	CATAAACTTTTTCACCTTCAGAAAAAATAA 2333	
Db	2418	CATAAACTTTTTCACCTTCAGAAAAAATAA 2446	

RESULT 5  
US-09-023-655-699  
; Sequence 699, Application US/09023655  
; Patent No. 6607879  
; GENERAL INFORMATION:  
; APPLICANT: Cocks, Benjamin G.



APPLICANT:	Suan G. Stuart
APPLICANT:	Jeffrey J. Seilhamer
TITLE OF INVENTION:	COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE EXPRESSION
TITLE OF INVENTION:	EXPRESSION
NUMBER OF SEQUENCES:	1508
CORRESPONDENCE ADDRESS:	
ADDRESSEE:	INCYTE PHARMACEUTICALS, INC.
STREET:	3174 PORTER DRIVE
CITY:	PALO ALTO
STATE:	CALIFORNIA
COUNTRY:	USA
ZIP:	94304
COMPUTER READABLE FORM:	
MEDIUM TYPE:	Floppy disk
COMPUTER:	IBM PC compatible
OPERATING SYSTEM:	PC-DOS/MS-DOS
SOFTWARE:	Word Perfect 6.1 for Windows/MS-DOS 6.2
CURRENT APPLICATION DATA:	US/09/023,655
APPLICATION NUMBER:	HEREWITH
FILING DATE:	
CLASSIFICATION:	
PRIOR APPLICATION DATA:	
APPLICATION NUMBER:	
FILING DATE:	
CLASSIFICATION:	
ATTORNEY/AGENT INFORMATION:	
NAME:	Zeller, Karen J.
REGISTRATION NUMBER:	37,071
REFERENCE/DOCKET NUMBER:	PA-0001 US
TELECOMMUNICATION INFORMATION:	
TELEPHONE:	(650) 855-0555
TELEFAX:	(650) 845-4166
INFORMATION FOR SEQ ID NO:	699:
SEQUENCE CHARACTERISTICS:	
LENGTH:	1456 base pairs
TYPE:	nucleic acid
STRANDEDNESS:	single
TOPOLOGY:	linear
IMMEDIATE SOURCE:	
LIBRARY:	HNT2AGT01
CLONE:	488842
US-09-023-655-699	
Query Match	50.1%; Score 1178.2; DB 4; Length 1456;
Best Local Similarity	99.7%; Pred. No. 4.7e-286;
Matches 1191; Conservative	0; Mismatches 3; Indels 1; Gaps 1;
Qy	1003 TTTGGAGCATAGGTTGCATTCCTTATTGAATATTACCTTGTTGTTCACAGTCTTTCCAGACTC 1062
Db	262 TGTAGGCCATAGGTTGCATTCCTTATTGAATATTACCTTGTTGTTCACAGTCTTTCCAGACTC 321
Qy	1063 ATGATAGTAAGAAGCACCTCGCAATGATGGAACGAATATTAGGACCACATACCACAACACA 1122
Db	322 ATGATAGTAAGAAGCACCTGGCAATGATGGAACGAATATTAGGACCACATACCACAACACA 381
Qy	1123 TGATTCAGAAAAAAGAAAAACGCAAGTATTTTACCATAAACAGCTAGATTGGGATGAAC 1182
Db	382 TGATTCAGAAAAAAGAAAAACGCAAGTATTTTACCATAAACAGCTAGATTGGGATGAAC 441
Qy	1183 ACAGTCTCTGCTGGTGTAGATATGTTTAGGAGACGCTGCAAAACCGTTGAAGAAATTTATGCTTT 1242
Db	442 ACAGTCTCTGCTGGTGTAGATATGTTTAGGAGACGCTGCAAAACCGTTGAAGAAATTTATGCTTT 501
Qy	1243 GTCATGTATGAACATGAGNAACCTGTTGNACCTGGTTGCAAGNATGTTAGNATATGATC 1302
Db	502 GTCATGTATGAAGAACATGAGNAACCTGTTGACCTGGTTGCAAGNATGTTAGNATATGATC 561
Qy	1303 CAACCTCAAAGAAATTACCTTGGATGAAGCATTTGCAGCATCTCTTTCTTTGACTTATTAATAAAA 1362
Db	562 CAACCTCAAAGAAATTACCTTGGATGAAGCATTTGCAGCATCTCTTTCTTTGACTTATTAATAAAA 621
Qy	1363 AGAAATGAAATGGGAATCAGTGGTCTTTACTATATCTCTCTAGAAGAGATTACTTAAGA 1422

; PRIOR FILING DATE: 1996-12-19									
; NUMBER OF SEQ ID NOS: 26									
; SOFTWARE: PatentIn version 3.0									
; SEQ ID NO 26									
; LENGTH: 1549									
; TYPE: DNA									
; ORGANISM: Mus musculus									
US-09-905-999-26									
Query Match 46.6%; Score 1097.4; DB 4; Length 1549;									
Best Local Similarity 90.6%; Pred. No. 9.9e-266;									
Matches 1170; Conservative 0; Mismatches 121; Indels 0; Gaps 0;									
QY	85	GTCAATATTAGAACGAAGTCTTGAATGAGGAGATTATCGGACCGGAGATACGTTG	144						
DB	239	GTCACTATTTAGAAGCAAGATCTTGAATGAGAGATTATCGGACCGGAGATACATTG	298						
QY	145	ACGAATACAGGAATGACTACTGTGAAGGATATGTTCTTAGACATTATCACAGACATTG	204						
DB	299	ATGAATACAGAAATGACTACTGGAAGGATATGTTCCAAGACATTACCATAGAGCGTTG	358						
QY	205	AAAGCGGGTATCGAATCCACTGTCAGTAAATCTTTCAGTCCGACGAGGAGAACGATCCTA	264						
DB	359	AAAGCACTTACCGGATCCATTGCAATTAATCTTCACTCAGGACGAGGAGAGCAGCCCTA	418						
QY	265	AAAGGAAGCGCATAGACACTGTTCAAGTCATCAGTCAGTTCGAAAGGCCACCGAAGGA	324						
DB	419	AGAGAAGCGTAATAGACCTGTGCAAGTCATCAGTCGCGATTCCGAAGGCCACCGAAGGA	478						
QY	325	AAAGATCCAGGAGTATAGAGGATGATGAGGAGGTCACTGTATCTCTCAAAAGTGGAGAGC	384						
DB	479	AAAGATCCAGGATATAGAGGATGATGAGGAGGTCACTGTATCTCTCAAAAGTGGAGAGC	538						
QY	385	TTCTAGAGCAAGATATGAATCGTGGACACTTTTGGTGAAGAGCGCTTTGGCAAAAGTTG	444						
DB	539	TTCTAGAGCAAGATATGAATCGTGGACACTTTTGGTGAAGAGCGCTTTGGCAAAAGTTG	598						
QY	445	TAGAGTCATTGATCGGATCGATGGATGATGATGATGATGATGATGATGATGATGATGATG	504						
DB	599	TAGAGTCATTGATCGGATCGATGGATGATGATGATGATGATGATGATGATGATGATGATG	658						
QY	505	TAGCGCGTTACCGTGAAGCAGCTGTTTCAGAAATCCAAATATTCAGAGCACTTAAATAGTA	564						
DB	659	TAGGACGTTTACCGGGAGCAGCTGTTCTGAAATCCAAATATTCAGAGCACTTGAACAGCA	718						
QY	565	CTGATCCCAATAGTCTTCCGATGTGCCAGATGCTAGAAATGTTTGGATCATCATGGTC	624						
DB	719	CTGACCCCAACAGTGTCTTCCGATGTGCCAGATGCTAGAAATGTTTGGATCATCATGGTC	778						
QY	625	ATGTTTGTATTGTTTGAACACTAGGAGCTTACTTACGATTTTCATTTAAAGAAACA	684						
DB	779	ATGTTTGTATTGTTTGAACACTAGGAGCTTACTTACGATTTTCATTTAAAGAAACA	838						
QY	685	GCTTTCGCCATTTCAAATTTGACATCAGGAGATGCGGATCAGATCTGCCAGTCAA	744						
DB	839	GTTTTCGCCATTTCAAATTTGACATCAGGAGATGCGGATCAGATCTGCCAGTCAA	898						
QY	745	TAAATTTTTCATCATATAATAAATAACCCCATACAGATCTGAAGCCTGAAATATTTTGT	804						
DB	899	TAAATTTTTCATCATATAATAAATAACCCCATACAGATCTGAAGCCTGAAATATTTTAT	958						
QY	805	TTGTGAAGTCTGACTGTAGTCAAATATAATTTTAAATGAACCGTGTAGAACGACAC	864						
DB	959	TTGTGAAGTCTGACTGTAGTCAAATATAATTTTAAATGAACCGTGTAGAACGACAC	1018						
QY	865	TGAAAAACACAGATATCAAAGTGTGACTTTGAGGTGCAACCTATGATGATGAAATC	924						
DB	1019	TGAAAAACACAGATATCAAAGTGTGACTTTGAGGTGCAACCTATGATGATGAAATC	1078						
QY	925	ACAGTACTTTGGTGTCTACCGGCACTACAGAGTCCCGAGGTCAATTTTGGCTTTAGGT	984						
DB	1079	ATAGTACTTTGGTGTCTACCGGCACTACAGAGTCCCGAGGTCAATTTTGGCTTTAGGT	1138						

RESULT 7  
US-09-810-671-3  
; Sequence 3, Application US/09810671  
; Patent No. 6455291  
; GENERAL INFORMATION:  
; APPLICANT: YAN, Chunhua et al  
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC  
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES  
; TITLE OF INVENTION: THEREOF  
; FILE REFERENCE: CL000758  
; CURRENT FILING DATE: 2001-06-08  
; NUMBER OF SEQ ID NOS: 5  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 3  
; LENGTH: 21234  
; TYPE: DNA  
; ORGANISM: Human  
US-09-810-671-3

Query Match 46.6%; Score 1097; DB 3; Length 21234;  
Best Local Similarity 100.0%; Pred. No. 4.4e-265;  
Matches 1097; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1228 AGGAATTTATGCTTTTGTCTCATGATGAAGAACATGAGAACTGTTTGACCTGGTTGCGAAGAA 1287  
DB 18138 AGGAATTTATGCTTTTGTCTCATGATGAAGAACATGAGAACTGTTTGACCTGGTTGCGAAGAA 18197  
QY 1288 TGTTAGAATATGATCCAACTCAAGAAATTAACCTTGGATGAGCAATTCGACGATCCTTTCT 1347  
DB 18198 TGTTAGAATATGATCCAACTCAAGAAATTAACCTTGGATGAGCAATTCGACGATCCTTTCT 18257  
QY 1348 TTGACCTTTTAAAAAAGAAATGAAATGGGAATCAGTGGTCTTACTATATATCTCTCTAGA 1407  
DB 18258 TTGACCTTTTAAAAAAGAAATGAAATGGGAATCAGTGGTCTTACTATATATCTCTCTAGA 18317  
QY 1408 AGAGATTACTTAAGACTGTGTCACTCAACTAAACATTTCTTAATATTTTGTAAACATATAA 1467  
DB 18318 AGAGATTACTTAAGACTGTGTCACTCAACTAAACATTTCTTAATATTTTGTAAACATATAA 18377  
QY 1468 TTATTTTGTACAGTTAAGTGAATATTTGTATCTTTTGTATCAATAGCATAATTAACCTG 1527  
DB 18378 TTATTTTGTACAGTTAAGTGAATATTTGTATCTTTTGTATCAATAGCATAATTAACCTG 18437



Db 19038 TAACATTTGGCAGCATCTGTTTATCAATGACATATAAATCGTAAACCTATAAAGAAATTAAG 19097  
Qy 2188 TTTTATTAATTAAGCAATTTATGCTGTGATAATCTTACGGGAGAAAGAGATTGATTG 2247  
Db 19098 TTTTATTAATTAAGCAATTTATGCTGTGATAATCTTACGGGAGAAAGAGATTGATTG 19157  
Qy 2248 GAAAGCAGTTTGGGAAGAAAGTGTGCTGAAATTTCCAGAAATTTAAATTTGATTGGTTACAT 2307  
Db 19158 GAAAGCAGTTTGGGAAGAAAGTGTGCTGAAATTTCCAGAAATTTAAATTTGATTGGTTACAT 19217  
Qy 2308 AAACCTTTTGACTTCAG 2324  
Db 19218 AAACCTTTTGACTTCAG 19234

RESULT 9  
US-10-339-656-3  
; Sequence 3, Application US/10339656  
; Patent No. 6733978  
; GENERAL INFORMATION:  
; APPLICANT: YAN, Chunhua et al.  
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC  
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES  
; TITLE OF INVENTION: THEREOF  
; FILE REFERENCE: CL000758DIV2  
; CURRENT APPLICATION NUMBER: US/10/339, 656  
; PRIOR FILING DATE: 2003-01-10  
; PRIOR APPLICATION NUMBER: 10/109, 854  
; PRIOR FILING DATE: 2002-04-01  
; PRIOR APPLICATION NUMBER: 09/810, 671  
; PRIOR FILING DATE: 2001-03-19  
; PRIOR APPLICATION NUMBER: 60/227, 470  
; PRIOR FILING DATE: 2000-08-24  
; NUMBER OF SEQ ID NOS: 5  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 3  
; LENGTH: 21234  
; TYPE: DNA  
; ORGANISM: Homo sapien  
US-10-339-656-3

Query Match 46.6%; Score 1097; DB 4; Length 21234;  
Best Local Similarity 100.0%; Pred. No. 4.4e-265;  
Matches 1097; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1228 AGGAATTTATGCTTTGCTCATGATGAAGAACTGAGAACTGTTGACCTGGTTTGAAGAA 1287  
Db 18138 AGGAATTTATGCTTTGCTCATGATGAAGAACTGAGAACTGTTGACCTGGTTTGAAGAA 18197  
Qy 1288 TGTAGATATGATCCAACTCAAGAAATTAACCTTGGATGAAGCAATTCGACATCCTTTCT 1347  
Db 18198 TGTAGATATGATCCAACTCAAGAAATTAACCTTGGATGAAGCAATTCGACATCCTTTCT 18257  
Qy 1348 TTGACTTTATTAAGAAAGAAATGAATGGGAATCAGTGGTCTTACTATATCTCTCTAGA 1407  
Db 18258 TTGACTTTATTAAGAAAGAAATGAATGGGAATCAGTGGTCTTACTATATCTCTCTAGA 18317  
Qy 1408 AGAGATTACTTAAGACTGTGTCAGTCACTAAACATTTCTAATATTTTGTAAACATTTAA 1467  
Db 18318 AGAGATTACTTAAGACTGTGTCAGTCACTAAACATTTCTAATATTTTGTAAACATTTAA 18377  
Qy 1468 TTATTTGTACAGTTAAGTGAATATTTGTATTTGTATCAATAGCATAAATTAACCTG 1527  
Db 18378 TTATTTGTACAGTTAAGTGAATATTTGTATTTGTATCAATAGCATAAATTAACCTG 18437  
Qy 1528 TTAAGCAAGTGTGCTTCAATATGATGAGAAATTAATAATTTCTTTCTTTTGA 1587  
Db 18438 TTAAGCAAGTGTGCTTCAATATGATGAGAAATTAATAATTTCTTTCTTTTGA 18497  
Qy 1588 ATTACATTTTAAATACCTTTTGAATATCTTTGTGTCAGTGATAATGTGATTGATC 1647  
Db 18498 ATTACATTTTAAATACCTTTTGAATATCTTTGTGTCAGTGATAATGTGATTGATC 18557

Qy 1648 TTGCCCTTTTGTACATGGAGGTCACTCTGAACTGATTTTTTTTGTAGTAAAGGAATCTT 1707  
Db 18558 TTGCCCTTTTGTACATGGAGGTCACTCTGAACTGATTTTTTTTGTAGTAAAGGAATCTT 18617  
Qy 1708 GACTACTTTATATTTCTTAAAGGAATATTTCTTATATATCTTCAAAATTTAGAACTTAACTTT 1767  
Db 18618 GACTACTTTATATTTCTTAAAGGAATATTTCTTATATATCTTCAAAATTTAGAACTTAACTTT 18677  
Qy 1768 AAAAGTTTTTCTTCTGTAATTTGTTGAACCGGTGATTTATTTAACTCTAGATAAGCAGGT 1827  
Db 18678 AAAAGTTTTTCTTCTGTAATTTGTTGAACCGGTGATTTATTTAACTCTAGATAAGCAGGT 18737  
Qy 1828 ACTAGAAACCAAACTCAGAAAATGTTTACTGTTAGAAATTTCTTATTAATTTTAAAGTGTG 1887  
Db 18738 ACTAGAAACCAAACTCAGAAAATGTTTACTGTTAGAAATTTCTTATTAATTTTAAAGTGTG 18797  
Qy 1888 TATTTCTTTTCAATTTGGGTGATGTCAGGGTGAATACCAGACATTCATGGAAGGCATGCAG 1947  
Db 18798 TATTTCTTTTCAATTTGGGTGATGTCAGGGTGAATACCAGACATTCATGGAAGGCATGCAG 18857  
Qy 1948 TTTGTCCATTTGTGACAGTTTGTAAATAAAACCAACATACACACTTTTATTTAAGATTAAAA 2007  
Db 18858 TTTGTCCATTTGTGACAGTTTGTAAATAAAACCAACATACACACTTTTATTTAAGATTAAAA 18917  
Qy 2008 TCTAACTGGAAGTCACTTGGAAAATGGACATTTTCCAAAGTATGTTTGGTGAAGTCAACAG 2067  
Db 18918 TCTAACTGGAAGTCACTTGGAAAATGGACATTTTCCAAAGTATGTTTGGTGAAGTCAACAG 18977  
Qy 2068 TATAAAAATAGAAAATCTGATGAGAGTTTCAAGTTTAAATACCAAGTCTTTAGAGTCT 2127  
Db 18978 TATAAAAATAGAAAATCTGATGAGAGTTTCAAGTTTAAATACCAAGTCTTTAGAGTCT 19037  
Qy 2128 TAAACATTCGCCAGCATCTGTTTATCAATGACATTAACCTTAAGAAATTAAG 2187  
Db 19038 TAAACATTCGCCAGCATCTGTTTATCAATGACATTAACCTTAAGAAATTAAG 19097  
Qy 2188 TTTTATTAATTAAGCAATTTATGCTGTGATAATTTCTTACGGGAGAAAGAGGATTTGATTG 2247  
Db 19098 TTTTATTAATTAAGCAATTTATGCTGTGATAATTTCTTACGGGAGAAAGAGGATTTGATTG 19157  
Qy 2248 GAAAGCAGTTTGGGAGAAAGTGTGCTGAAATTTCCAGAAATTTAATTTGATTGGTTACAT 2307  
Db 19158 GAAAGCAGTTTGGGAGAAAGTGTGCTGAAATTTCCAGAAATTTAATTTGATTGGTTACAT 19217  
Qy 2308 AAACCTTTTGACTTCAG 2324  
Db 19218 AAACCTTTTGACTTCAG 19234

RESULT 10  
US-09-919-039-238  
; Sequence 238, Application US/09919039  
; Patent No. 6727066  
; GENERAL INFORMATION:  
; APPLICANT: Kaser, Matthew R.  
; TITLE OF INVENTION: GENES EXPRESSED IN TREATED HUMAN C3A LIVER CELL CULTURES  
; FILE REFERENCE: PA-0035 US  
; CURRENT APPLICATION NUMBER: US/09/919, 039  
; CURRENT FILING DATE: 2002-09-09  
; PRIOR APPLICATION NUMBER: 60/222, 113  
; PRIOR FILING DATE: 2000-07-28  
; NUMBER OF SEQ ID NOS: 401  
; SOFTWARE: PERL Program  
; SEQ ID NO 238  
; LENGTH: 2254  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Incyte ID No. 6727066 420527.25  
; FEATURE:  
; NAME/KEY: unsure

; LOCATION: 231, 241  
 ; OTHER INFORMATION: a, t, c, g, or other  
 US-09-919-039-238

Query Match 27.2%; Score 640.6; DB 4; Length 2254;  
Best Local Similarity 72.1%; Pred. No. 8e-151;  
Matches 880; Conservative 0; Mismatches 329; Indels 12; Gaps 3;

398	QY	ATATGAAATCGTGGACACTTTTGGGTGAAGAGCCCTTTGGCAAAAGTTGTGAGTGCATTGA	457
983	Db	 AGATGAAATGTTGTATATCTTTTAGGTGAAGAGCTTTTGGAAAAAGTTGTGAGTGCATCGA	1042
458	QY	TCATGGCATCGATGGCATGCGATGTAGCAGTGAATAATCGTAAAAATGTAGSCCGTTACCG	517
1043	Db	 TCATTAAGCGGGAGGTAGACATGTAGCAGTTAAAAATAGTTAAAAATGTGATAGATACTG	1102
518	QY	TGAAGCAGCTCGTTTCAGAAATCCAAGTATTAGAGCACTTAAATAGTACTGATCCCAATAG	577
1103	Db	 TGAAGCTGCTCGCTCAGAAATACAAGTTCTGGAACATCTGAATACACAGACCCCAACAG	1162
578	QY	TGCTCTCCGATGTCTCAGATGCTAGAAATGGTTTGATCATCATGGTTCATGTTGTGATTGT	637
1163	Db	 TACTTTCCGCTGTGTCCAGATGTTTGGAAATGGTTTGAGCATCATGGTGCACATTTTGCATTGT	1222
638	QY	GTTTGAACACTACTGGGCACTTAGTACTTACGATTTTCATTAAAGAAAAACAGCTTCTGCCATT	697
1223	Db	 TTTTTGAACCTATTGGGACTTAGTACTTAGGACTTCTTAAAGAAAAATGGTTTTTCTACCACT	1282
698	QY	TCAAAATGACCACATCAGGCAGATGGCGTATCAGATCTGCCAGTCAATAAAATTTTTTACA	757
1283	Db	 TCGACTGGATCATATCAGAAAGATGGCATATCAGATATGCAAGTCTGTGAAATTTTTTGCA	1342
758	QY	TCATATAAATAAACCCATACAGATCTGAAGCCGTAAGAAATATTTTGTGTGAAGTCTGA	817
1343	Db	 CAGTAATTAAGTTGACTCACACAGACTTAAAGCCGTAAGAAACATCTTATTTGTGCAGTCTGA	1402
818	QY	CTATGTAGTCAAAATATATAATTTCAAAATGAAACGTGATGAACGCACACTGAAAAACACAGA	877
1403	Db	 CTACACAGAGCGGTATTAATCCCAAAATAAACGTGATGAACGCACCTTATTAATTAATCCAGA	1462
878	QY	TATCAAAAGTTGTGACTTTTGGAAAGTCAACGATATGATGATGAACATCACAGTACTTTGGT	937
1463	Db	 TATTAAGTTGTAGACTTTGGTAGTCAACATATGATGAGCAACATCACAGTACATTGGT	1522
938	QY	GTCTCTCCGCGCACTACAGACTCCGAGGTCAATTTTGGCTTTAGTTGGTCTCAGCCCTTG	997
1523	Db	 ATCTCAAGACATTTATAGACACCTGAAGTTATTTTAGCCCTAGGGTGGTCCCAACCATG	1582
998	QY	TGATGTTTGGAGCATAGTTTGCATCTTTATTGAATATTACCTTGGTTTACAGTCTTTTCA	1057
1583	Db	 TGATGCTGGAGCATAGGATGCATCTTATTGAATACTATCTTTGGGTTTACCGTATTTCC	1642
1058	QY	GACTCATGTAGTAAAGAGCACCTGGCAATGTATGGAACGAATATTAGGACCCATACACA	1117
1643	Db	 AACACACGATAGTAAAGAGCATTTAGCAATGATGGAAGGATTTCTTGGACCTCTACCCAAA	1702
1118	QY	ACACATGATTTCAGAAACACAGAAACCCAGTATTTTCCACATTAACAGCTAGATTGGGA	1177
1703	Db	 ACATATGATACAGAAAAACGAGAAACGTAATATTTTCCACGATCGATTAGACTGGGA	1762
1178	QY	TGAACAGTTCTGCTCGTAGATATGTTAGGAGACGCTGCAAAACCGTTGAAGAAATTTAT	1237
1763	Db	 TGAACAGTTCTGCGGCGAGATATGTTTCAAGACGCTGTAAACCTCTGAAGGAAATTTAT	1822
1238	QY	GCTTTGTATGATGAAGAACATGAGAAACATGTTTGTGACCTGGTTGGAAGAAATGTTAGAATA	1297
1823	Db	 GCTTTCTCAAGATGTTGAACATGAGCGTCTTTTGACCTCATTCAGAAAAATGTTGGAGTA	1882
1298	QY	TGATCCAACTCAAGAAATTACCTTGGATGAAGCATTCGACATCCCTTTCTTGACTTATT	1357
1883	Db	 TGATCCAGCCAAAGAAATTAATCTCTCAGAGAGCCCTTAAAGCATCCCTTTCTTGACCTTCT	1942
1358	QY	AAAAAAGAAATGAAATGGGAATCAGTGGTCTTACTATATATCTCTCTAGAAGAGATTACT	1417

RESULT 11

```

US-09-905-999-22
; Sequence 22, Application US/09905999
; Patent No. 6797513
; GENERAL INFORMATION:
; APPLICANT: ULLRICH, Axel
; APPLICANT: NAYLER, Oliver
; TITLE OF INVENTION: CLK PROTEIN KINASES A
; FILE REFERENCE: 038602/0431
; CURRENT APPLICATION NUMBER: US/09/905,999
; CURRENT FILING DATE: 2001-07-17
; PRIOR APPLICATION NUMBER: 09/127,248
; PRIOR FILING DATE: 1999-07-31
; PRIOR APPLICATION NUMBER: PCT/IB97/00946
; PRIOR FILING DATE: 1997-06-17
; PRIOR APPLICATION NUMBER: US 08/877,150
; PRIOR FILING DATE: 1997-06-17
; PRIOR APPLICATION NUMBER: US 60/034,286
; PRIOR FILING DATE: 1996-12-19
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 22
; LENGTH: 1538
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-905-999-22

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Query Match	20.4%	Score 481.2;	DB 4;	Length 1538;
Best Local Similarity	64.6%;	Pred. No. 7.9e-111;		
Matches 736;	Conservative	0;	Mismatches 398;	
			Indels 6;	Gaps 1;

Qy	214	ATCGAATCCACTCGACGTAAATCTTCAGTCCGACAGGAGGAAGACAGTCTCTAAAGGAAGC	273
Db	329	ATCGAGAGAACACGACGTTTACCGAAGCCAGCGCACGCGGAGAAACACAGAAAGCGCGA	388
Qy	274	GCAATAGACACTGTTCAAGTTCATCAGTCTCAGAAGAGCCACCGAAGGAAAGATGCCA	333
Db	389	GGAGACGGAGCCGGACATTCAGCCGCTCATCTTTACACACAGACGCG-----GAGAGCCA	442
Qy	334	GGAGTATAGAGGATGATAGGAGGGGTCACTGTATCTGTCTCAAAGTGGAGACGTTCTTAAGAG	393
Db	443	AGAGTGTAGGACGACGCTGAGGGCCACTCATCTACACGTCGGGACTGGCTACAAG	502
Qy	394	CAAGATATGAAATCGTGGACACTTTGGTGGAGGAGCGCTTTGGCAAAAGTTGTATAGAGTGCA	453
Db	503	AGCGATATGAAATGTGAAGCACCTTATAGGAGAAGGGACTTCGGGCCGAGTTGTGCAAGTGTG	562
Qy	454	TTGATCATGCGATGGATGGCATGTCATGTAGCAGTGAAAAATCGTAAAAAAATGTATAGGCCGTT	513
Db	563	TGAGACCATCGACGGGCGGNAACAGAGTTTGCCTGAAAGATCATTTAGAATGTGGAGAAGT	622
Qy	514	ACCGTGAAGCAGCTCGTTTCAGAAATCCAAAGTATTAGAGCACTTTAAATPAGTACTGATCCCA	573

Db 623 ACAAGGAGCAGCCGACCTAGAAATCAACGCTGCTGGAGAAATCAATGAGAAAGATCCTG 682  
 QY 574 ATAGTGTCTTCGAGTGTCCAGATGCTAGATGCTTTGATCATCATGCTGATGTTGTA 633  
 Db 683 ACAACAAGAACCTCTGTGTCCAGATGTTTGAGCTGTTGACTACCATGGCCACATGTGTA 742  
 QY 634 TTGTGTTTGAACCTACTGGGACTTTAGTACCTAGATTTTCAATTAAGAAACACGCTTTTCG 693  
 Db 743 TCTCCTTTGAGCTTCTGGGCTTAGACCTTCGATTTCTTCAAGACAACTACCTACCTGC 802  
 QY 694 CATTTCAAATTAACCAATCAGCGAGATGGGCTATCAGATCTGCCAGTCAATAAATTTTT 753  
 Db 803 CTTACCCCATCAACCAAGTGGCCATAGGCTTCCAGCTCTGCCAGGCGCTCAAGTTCC 862  
 QY 754 TACATCATTAATTAACCCATACAGATCTGAGCTGAGGCTGAAATATTTTGTGTGAGT 813  
 Db 863 TCCATGATTAACAGTTGACATACAGGCTCAAACTTCAAACTTCAAAATATTTCTGTTGTAAT 922  
 QY 814 CTGACTATAGTCAAAATATAATTTCAAAATGAAACGCTGATGAACGCACTGAAACCA 873  
 Db 923 CAGACTACCACTACACCTAGAGAGAGAGGAGATGAGCGAGTGAAGAGCA 982  
 QY 874 CAGATATCAAAAGTTGTGACTTTGGAAGTGCACGATGATGATGAACATACAGTACTT 933  
 Db 983 CAGCGTGGGCTGGTGGACTTTCGGCAGTGCACCTTTGACCAACGAACTACATAGCACA 1042  
 QY 934 TGGTGTCTACCGGCTACAGAGCTCCGAGTCAATTTTGGCTTTAGGTTGGTCTCAGC 993  
 Db 1043 TTGTCTCCACTCGCCATTAACGAGCCCCGAGGCTATCTGAGTTGGGCTGCTACAGC 1102  
 QY 994 CTTGTGATGTTGGAGCATAGTTGCAATTTCTTATTAATATTAACCTTTGGTTTCAAGTCT 1053  
 Db 1103 CATGCGATGATGAGCATAGGCTGCATCATCTTTGAGTACTAGGTTGGCTTCACCTCT 1162  
 QY 1054 TTCAAGTCAATGATGAAGAGCACTCGCAATGATGAACGATATTAAGAGCCATAC 1113  
 Db 1163 TCCAGACCCATGACACAGAGAGCATCTAGCCATGATGGAAGGATCTCGGCTCTGCTC 1222  
 QY 1114 CACAACACATGATTCAGAAACCAAGAAAGCGAAGTATTTTCAACCAACAGCTAGATT 1173  
 Db 1223 CTTCTCGGATGATCAGAAAGACAAAGAAACAGAAATATTTTATCGGGTCTGCTGAT 1282  
 QY 1174 GGGATGAACACAGTCTCTGCTGTGATATATGTTAGGAGACGCTGCAACCGTTGAAGAA 1233  
 Db 1283 GGGATGAACACCTCAGCGCGCGTACGTTCTGAGAACTGCAAACTCTGCGCGGT 1342  
 QY 1234 TTATGCTTTGATGATGAAGACATGAGAACTGTTGACCTGGTTCGAGAAATGTTAG 1293  
 Db 1343 ATCTGACCTCAGAGGAGGAGGACCAACCAACGAGCTCTTGGATCTGATGAATATGCTAG 1402  
 QY 1294 AATATGATCAACTCAAGAAATTTACCTTGGATGAAGCATGACGATCCTTTCTTTGACT 1353  
 Db 1403 AGTATGAGCCTGTAAAGCGCTGACCTTAGTGAAGCCCTTACGATCCTTTCTGCGCT 1462

RESULT 12

US-09-905-999-24  
 ; Sequence 24, Application US/09905999  
 ; Patent No. 6797513  
 ; GENERAL INFORMATION:  
 ; APPLICANT: NAYLER, Oliver  
 ; TITLE OF INVENTION: CLK PROTEIN KINASES AND RELATED PRODUCTS AND METHODS  
 ; FILE REFERENCE: 038602/0431  
 ; CURRENT APPLICATION NUMBER: US/09/905,999  
 ; CURRENT FILING DATE: 2001-07-17  
 ; PRIOR APPLICATION NUMBER: 09/127,248  
 ; PRIOR FILING DATE: 1999-07-31  
 ; PRIOR APPLICATION NUMBER: PCT/IB97/00946  
 ; PRIOR FILING DATE: 1997-06-17  
 ; PRIOR APPLICATION NUMBER: US 08/877,150  
 ; PRIOR FILING DATE: 1997-06-17  
 ; PRIOR APPLICATION NUMBER: US 60/034,286

; PRIOR FILING DATE: 1996-12-19  
 ; NUMBER OF SEQ ID NOS: 26  
 ; SOFTWARE: PatentIn version 3.0  
 ; SEQ ID NO 24  
 ; LENGTH: 1787  
 ; TYPE: DNA  
 ; ORGANISM: Mus musculus  
 US-09-905-999-24  
 Query Match 19.3%; Score 454.8; DB 4; Length 1787;  
 Best Local Similarity 65.0%; Pred. No. 3.7e-104;  
 Matches 672; Conservative 0; Mismatches 362; Indels 0; Gaps 0;  
 QY 317 CCGAAGGAAAAAGATCCAGGAGTATAGAGGATGATGAGAGGGTCACTGATCTGTCAAAG 376  
 Db 447 CAGTAAGCGCAGCAGCCGAGTGTGGAAGATGACAAGGAGGCCACCTGGTGTGCGGAT 506  
 QY 377 TGGAGACGTTCTAGAGCAAGATATGAAATCGTGACACTTTGGGTGAGGAGCCTTTGG 436  
 Db 507 CGGCGATTGGCTCCAGAGCGATATGATCGTGGGAAACCTGGGTGAGGCACTTTGG 566  
 QY 437 CAAAGTTGTAGAGTGCATTGATGATGGCATGATGGCATGATGATGATGATGATGATGAT 496  
 Db 567 CAAAGTTGTAGAGTGCATTGATGATGGCATGATGGCATGATGATGATGATGATGATGAT 626  
 QY 497 AAAAAATGTAGGCCCTTACCGTGAAGCAGCTCGTTTCAAGAAATCCAAGTATTAAGACACT 556  
 Db 627 CCGTAATGTGGCAAGTATCGGGAAGCTCTCGTCTAGAAATTAATGTCTCAAGAAAT 686  
 QY 557 AATAGTACTGATCCCATAGTGTCTCCGATGCTCCAGATGCTCCAGATGCTAGATGCTTGTAT 616  
 Db 687 CAAAGGAGAAAGCAAGGAAATAAGTTCCTTTGTCTGCTGATGCTGATGCTGATGCTGAT 746  
 QY 617 TCATGCTCATGTTTGTATTGTTGAACTACTGGGACTTAGTACTTAGTACTTAGTACTTAGT 676  
 Db 747 CCAATGCTCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 806  
 QY 677 AGAAACAGCTTTTGGCCATTTCAAATTTGACCAATGACCAATGACCAATGACCAATGACCA 736  
 Db 807 GGAGAAACAACTTCCAGCCTTACCCCTTACCAATGCTCCGSCACATGGCCCTTACCACTCTG 866  
 QY 737 CCAGTCAATAAATTTTATCATATAATAAATTAACCCATACAGATCTCAAGCCTCAAAA 796  
 Db 867 TCATGCCCTTAGATTCTACACAGAAACAGCTGACCCACACAGACTTGAGCCAGAGAA 926  
 QY 797 TATTTTGTGTGAAGTCTGACTATGTAGTCAAAATATAATTTCTAAATGAAACGCTGATGA 856  
 Db 927 CATCTTTGTGAAATTTCTGAGTTTGAACCCCTCTACAAATGAGCAACAGAGCTGCGAGGA 986  
 QY 857 AGCACACTGAAAAACACAGATATCAAAGTTGTGACTTTTGAAGTGCACCGTATGATGA 916  
 Db 987 GAAAGTCAGTGAAGAAACACAGCATCCGAGTGGCAGACTTTTGGCAGTGCACCGTTTGACCA 1046  
 QY 917 TGAACATCACAGTACTTTGGTGTCTACCGGCACTACAGAGCTCCCGAGTCAATTTTGGC 976  
 Db 1047 TGAACATCACAGTACTTTGGTGTCTACCGGCACTACAGAGCTCCCGAGTCAATTTTGGC 1106  
 QY 977 TTTAGGTTGGTCTCAGCCTTTGTGATGTTTGGAGCATAGTGTGCAATTTCTTATTAATTA 1036  
 Db 1107 GCTGGGCTGGGACAGCCTTTGTGATGCTGAGTATCGGCTGCTGCTGCTGCTGCTGCTGCT 1166  
 QY 1037 CTTGGTTCACAGTCTTTTCAAGTCAATGATTAAGAGCAGCTCCGATGATGAGACG 1096  
 Db 1167 CCGTGGCTTTACACTCTTCCAGACCCATGAAATATAGAGAACACTTGGTTATGATGAGAA 1226  
 QY 1097 AATATTAGACCCCATACCAACACATGATTTCAAGAAACCAAGAAACCGAAGTATTTTCA 1156  
 Db 1227 GATTTAGACCCCATCCCATCAACATGATCCACCGTACCAAGAGCAGAAATATTTCTA 1286  
 QY 1157 CCATAACAGCTAGATTGGGATGAACACAGTCTTCTGCTGCTGATATGTTAGGAGACGCTG 1216  
 Db 1287 CAAAGGGGCTGTTTGGATGAGAAACAGCTCTGATGGGCGGTATGTGAAAGGAGAACTG 1346

QY 1217 CAAACCGTTGAAGGAATTTATGCTTTTGTCTATGATGAAGAACATGAGAAACTGTTTGACCT 1276  
Db 1347 CAAACCTCTTGAAGAGTTTACATGCTGCAAGGACTCCCTGGAGCATGTGCAAGCTGTTTGACCT 1406  
QY 1277 GGTTCGAAGAAATGTTAGAAATATGATCAACTCAAGAAATTTACCTTTGGATGAAGCATTGCA 1336  
Db 1407 GATGAGAGGATGTTAGAGTTGACCCCTGCTCAGGCGATCACATTTGCAGAGCCCTTGCT 1466

QY 1337 GCATCCCTTTCTTG 1350  
Db 1467 GCACCCCTTCTTG 1480

## RESULT 13

US-09-016-434-1439  
; Sequence 1439, Application US/09016434  
; Patent No. 6500938  
; GENERAL INFORMATION:  
; APPLICANT: Janice Au-Young  
; APPLICANT: Jeffrey J. Seilhamer  
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING  
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION  
; NUMBER OF SEQUENCES: 1490  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
; STREET: 3174 PORTER DRIVE  
; CITY: PALO ALTO  
; STATE: CALIFORNIA  
; COUNTRY: USA  
; ZIP: 94304

; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/016,434  
; FILING DATE: HEREWITH  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; CLASSIFICATION:

; ATTORNEY/AGENT INFORMATION:  
; NAME: Zeller, Karen J.  
; REGISTRATION NUMBER: 37,071  
; REFERENCE/DOCKET NUMBER: PA-0002 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (650) 855-0555  
; TELEFAX: (650) 845-4166  
; INFORMATION FOR SEQ ID NO: 1439:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1762 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: GENBANK  
; CLONE: G632971  
; US-09-016-434-1439

Query Match 18.4%; Score 432.4; DB 4; Length 1762;  
Best Local Similarity 63.6%; Pred. No. 1.6e-98;  
Matches 658; Conservative 0; Mismatches 376; Indels 0; Gaps 0;

QY 317 CCGAGAGAAAGATCCAGGAGTATAGAGGATGATGAGGAGGGTCACTGATCTGTCAAAG 376  
Db 440 CAGTAAGCGCACAGCGCGAGGTGTGGAAGATGACAAGGAGGGTCACTGTTGTGCCGGAT 499  
QY 377 TGAGAGCTTCTAAGACACAAGATGAAATCGTGACACTTTGGGTCAAGGAGCCTTTGG 436  
Db 500 CGCGGATGGCTCCAAGAGCGATATGAGATTTGGGGAACCTGGGTGAAGGCACCTTTGG 559

QY 437 CAAAGTTGTAGAGTGCATTGATCATGGCATGGATGCGATCNCATGTAGCAGTGAATAATCGT 496  
Db 560 CAAAGTGTGGAGTGTCTGGACCATGCCAGAGGGAAGTCTCAGGTTCGCCCTGAAGATCAT 619  
QY 497 AAAAAATGTAGGCGGTTTACCGTGAAGCAGCTCGTTCCAGAAATCCAACTATTATAGAGCACTT 556  
Db 620 CCGCAAGTGGGCAAGTACCGGAGGCTGCCCGCTAGAAATCAACGTGCTCAAAAAAAT 679  
QY 557 AAATAGTACTGATCCCAATAGTGTCTCCGATGTGTCAGATGCTAGAAATGGTTTGTATCA 616  
Db 680 CAAGGAGAGGACAAAAGAAACAAAGTTCTGTGTCTCTGATGTCTGACTGGTTCACACTT 739  
QY 617 TCATGCTCATGTTTGTATTGTTGNACTACTCGGAGCTTAGTACTTACGATTTCAATAA 676  
Db 740 CCACGCTCATGTCATGCTGCTTGGCTTCCCTGGGCAAGAACACCTTTGAGTTCCTGAA 799  
QY 677 AGAAAAACAGCTTTCTGCCATTTCAAATTTGACCATATGACCATGCGGAGTATCAGATCTG 736  
Db 800 GGAGATACTTCCAGGCTTACCCCTACCATGTCGGGCAATGGCCTACCAGCTCTG 859  
QY 737 CCAAGTCAATAAATTTTATCATCATATAAATTAACCCATACAGATCTGAAGCCTGAAAA 796  
Db 860 CCACGCGCTTAGATTTCTGCATGAGAATCAGCTGACCCATACAGACTTGAACCTGAGAA 919  
QY 797 TATTTTGTGTGAAGTCTGACTACTGTAGTCAATAATTAATCTTAAATGAACGTGATGA 856  
Db 920 CATCTCTGTTGTGAATTTCTGAGTTTGAACCTCTACAATGAGCACAGAGCTGTGAGGA 979  
QY 857 ACGCACACTGAAAAACACAGATATCAAAAGTTGTGACTTTGGGAAGTCAACGTATGATGA 916  
Db 980 GAAGTCAGTGAAGAACACACAGCATCGAGTGGCTGACTTTGGCAGTGCACATTTGACCA 1039  
QY 917 TGAACATCACAGTACTTTGGTGTCTACCGGCACTACAGAGCTCCCGAGGTCAATTTTGGC 976  
Db 1040 TGAGCACACACACCACTTGTGCGCCACCTGCTATCGCCCGCTGAGGTGATCTCTTGA 1099  
QY 977 TTTAGTTGGTCTCAGCCTTGTGATGTTTGGAGCATAGTTGCTTCTTATTTGATTA 1036  
Db 1100 GCTGGGCTGGGCAACGCGCTGTGACGTCTGGAGCATTTGGCTGCTTCTTTGAGTACTA 1159  
QY 1037 CCTTGGTTTTCACAGTCTTTTCAGACTCATGATAGTAAAGAGCACCTGGCAATGATGGAACG 1096  
Db 1160 CCGGGGCTTTCACACTCTTTCAGACCCACGAAACCCGAGAGCACCTGGTGTATGAGGAA 1219  
QY 1097 AATATTAGGACCCATACCAACACATGATTTAGAAACAAAGAAACCGAAGTATTTTCA 1156  
Db 1220 GATCCTAGGCGCCATCCCATCACATGATCCACCGTACCAGGAAGCAGAAATATTCTA 1279  
QY 1157 CCATAACAGCTAGATTGGATGAACACAGTCTCTGCTGGTAGATATGTTAGGAGACCGCTG 1216  
Db 1280 CAAAGGGGCGCTAGTTTGGGATGAGAACAGCTCTGACGGCGCGTATGTGAAGGAGAACTG 1339  
QY 1217 CAAACCGTTGAAGGAATTTATGCTTTGTCATGATGAAGAACATGAGAAACTGTTTGACCT 1276  
Db 1340 CAAACCTCTGAAGAGTTTACATGCTCCAAAGTCTCCCTGGAGCAGCTGCGAGCTGTTTGACCT 1399  
QY 1277 GGTTCGAAGAAATGTTAGAAATATGATCCAACTCAAGAAATTTACCTTGGATGAAGCATTTGCA 1336  
Db 1400 GATGAGGAGGATGTTAGAAATTTGACCTTCCAGCGCATCACACTGSCCGGAGGCCCTGCT 1459  
QY 1337 GCATCCCTTTCTTG 1350  
Db 1460 GCACCCCTTCTTG 1473

## RESULT 14

US-09-949-016-2648  
; Sequence 2648, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF



Db 740 CCACGGTCACATGTGCATCGCCCTTGAGCTCCTGGGCAAGAACACCTTTGAGT





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